



**UNITED STATES MARINE CORPS**  
MARINE AIR GROUND TASK FORCE TRAINING COMMAND  
MARINE CORPS AIR GROUND COMBAT CENTER  
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TWENTYNINE PALMS, CALIFORNIA 92278-8100

CCO 3502.1A

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14 Nov 03

COMBAT CENTER ORDER 3502.1A

From: Commanding General

To: Distribution List

Subj: CERTIFICATION OF TACTICAL TRAINING AND EXERCISE CONTROL GROUP (TTECG) PERSONNEL

Ref: (a) MCO 3500.11E  
(b) MCO P3570.1B  
(c) CCO 3500.11D  
(d) CCO P3500.4F  
(e) Combined Arms Exercise (CAX) Safety Handout  
(f) Tactical Training Exercise Control Group (TTECG) Standing Operating Procedure (SOP)  
(g) Table of Organization Number 7711 of 1 Feb 00

Encl: (1) Maneuver Coyote Certification Flowchart  
(2) Basic Maneuver Coyote Training Checklist  
(3) Tube Launched Optically Tracked Missile System/Heavy Machine Gun (TOW/HMG) Coyote Training Checklist  
(4) Armor Coyote Training Checklist  
(5) Infantry Platoon Coyote Training Checklist  
(6) Range 410A (R410A) Coyote Training Checklist  
(7) Fire Support Team (FiST) Coyote Training Checklist  
(8) Range 400 (R400) Coyote Training Checklist  
(9) Mobile Assault Course (MAC) Coyote Training Checklist  
(10) Light Armored Reconnaissance Screen Course (LARSC) Coyote Training Checklist  
(11) Engineer Coyote Training Checklist  
(12) Helicopterborne Assault Course (HAC) Coyote Training Checklist  
(13) Final Exercise (FINEX) Coyote Training Checklist  
(14) Intelligence Coyote Training Checklist  
(15) Communication (Comm) Coyote Training Checklist  
(16) Aviation Coyote Training Checklist  
(17) Aviation Coyote Training Checklist (Non-permanent personnel)  
(18) Marine Air Command and Control System (MACCS) Coyote Training Checklist  
(19) Artillery Coyote Training Checklist  
(20) Electronic Warfare Coyote Training Checklist  
(21) Tactical Exercise Controller (TEC) Training Checklist  
(22) Sample Letter of Recommendation for Certification  
(23) Sample Letter of Certification

1. Situation. To set forth administrative and operational procedures and requirements for the training and certification of TTECG personnel (Coyotes, Clones, Controllers, Sidewinders) to ensure effectiveness in instruction and training, and the safe, effective control and execution of the CAX, in accordance with references (a) through (g).

2. Mission. The detailed procedures employed by TTECG personnel during the Combined Arms Exercise (CAX) comprise a collective skill, the product of constantly reinforced standards in training. The individual and collective proficiency of personnel is the CAX program's center of gravity. These skills and procedures preserve and maximize the effectiveness of live fire combined arms operations training opportunities. Additionally, TTECG certified personnel serve as a safety backstop essential to assisting the Exercise Force (EXFOR) Commander and his operational chain of command in minimizing the ever-present risk of fratricide during the conduct of the CAX. This Order contains the detailed procedures and standards employed by Coyotes during the CAX in training, execution, representing the distilled experience, knowledge, and the wisdom of hundreds of Coyotes over nearly two decades of CAXs.

### 3. Execution

a. Mission. The mission of the TTECG is to train and exercise Marine Air Ground Task Forces (MAGTFs) in the command, control, and coordination of combined arms in support of maneuver warfare at the Marine Air Ground Task Force Training Command (MAGTFTC), Twentynine Palms, California. Specifically, the TTECG will train the EXFOR in the techniques and procedures to plan and employ all components of fires - direct, indirect, and aviation-delivered - in consonance with maneuver in the MAGTF close fight. In accordance with the guidance contained in reference (a), the TTECG will:

(1) Conduct a pre-Final Exercise (FINEX) program of instruction for each EXFOR.

(2) Organize, orient and train the TTECG augmentation force and controllers.

(3) Develop the FINEX scenario.

(4) Present a corresponding and consistent intelligence picture by portraying the current enemy situation to EXFOR reconnaissance, electronic warfare, aviation, and ground units.

(5) Organize and deploy in support of the EXFOR scheme of maneuver in order to control, monitor, observe, assess, and critique the performance of the exercise.

(6) Assist the Officer Scheduling the Exercise (OSE) in the scheduling and participation in a CAX Letter of Instruction (LOI) conference at the home station of the EXFOR approximately 120 days prior to each exercise.

#### b. Coyote Assignment Policy

(1) Appropriate grade and Military Occupational Specialty (MOS), as established in reference (g).

(2) Minimum two-CAX turnover period for incoming Coyotes, established as a requirement by Commanding General (CG), MAGTFTC.

#### c. Certification Process Overview

(1) Certification is the written authority from the Director, TTECG, to a specified individual authorizing the Marine to participate in or control

a designated event or exercise. In the case of supervisory personnel, certification is the Director's means to delegate command authority in writing to conduct sustainment training for other authorized personnel and to lead and direct others within the specific event or exercise. Certification remains in effect until withdrawn by the Director or until certified personnel (Permanent Change of Station (PCS)) from TTECG and will be renewed annually.

(2) Enclosure (1) depicts the certification process for all maneuver personnel, and establishes the prerequisite qualifications required in order to become certified to control each successive element, event, or exercise. Enclosures (2) through (20) contain certification checklists for specific Coyote billet assignments, and for specific exercises conducted throughout the CAX. These checklists establish the minimum training requirements to certify personnel for specific billet assignments, and/or to certify personnel to control specific elements, events and exercises. Enclosure (21) contains a sample letter of recommendation for certification, and enclosure (22) contains a sample certification letter.

(3) Certification training programs will be conducted and administered by the Maneuver Shop. Shop heads will ensure that new personnel complete required training and submit completed checklists to the Maneuver Shop. Once the checklist is completed a letter (enclosure 23) will be submitted nominating individual personnel for certification to the Director, TTECG, once approved that individual will be authorized to control specific elements and exercises during the conduct of the CAX.

(4) The certification training program for the Director, TTECG, as the Tactical Exercise Controller (TEC) for the CAX will be conducted and administered by the outbound Director, TTECG.

(5) Changes, additions, or modifications to certification requirements, training programs, or the contents of this Order must be staffed during the conduct of a semiannual TTECG Course Content Review Board, recommended by the Director, TTECG, and submitted to the CG, MAGTFTC.

(6) Waivers for any of the specific certification requirements for any billet or exercise must be requested on a case-by-case basis from the CG, MAGTFTC, via the Director, TTECG. Request for waiver of these requirements must be fully justified in writing and must contain the Plan of Action and Milestones (POA&M) for the accomplishment of complete certification as soon as possible.

(7) Recertification. Annually all personnel will recertify by completing an oral examination. This recertification will ensure personnel are proficient in the TTECG SOP that are reviewed biannually.

d. Applicability. This Order is applicable to all TTECG personnel ("Coyotes", "Clones", and "Sidewinders").

e. Action

(1) Director, TTECG

(a) Ensure that all TTECG personnel are trained, certified, and employed according to the requirements and standards contained in references (a) through (g), and enclosures (1) through (22).

(b) Ensure that coordination occurs for the identification of personnel and turnover requirements in support of certification training programs with the Director, Manpower Directorate, MAGTFTC.

(c) Review, revise, and manage the upkeep of this Order during the conduct of semiannual Course Content Review Boards.

(2) Director, Manpower Directorate

(a) Pursue assignment of TTECG staff members with the Manpower Management Division, Headquarters Marine Corps (HQMC), consistent with the requirements established by reference (g) and this Order.

(b) For the purpose of this Order, a two-CAX turnover must include, at a minimum, one active-duty CAX due to the additional events and certification requirements that cannot be achieved during a reserve CAX.

4. Administration and Logistics. Distribution Statement A-1 directives issued by the Commanding General are distributed via e-mail. This Order can be viewed at <http://www.29palms.usmc.mil/dirs/manpower/adj/index.asp>.

5. Command and Signal

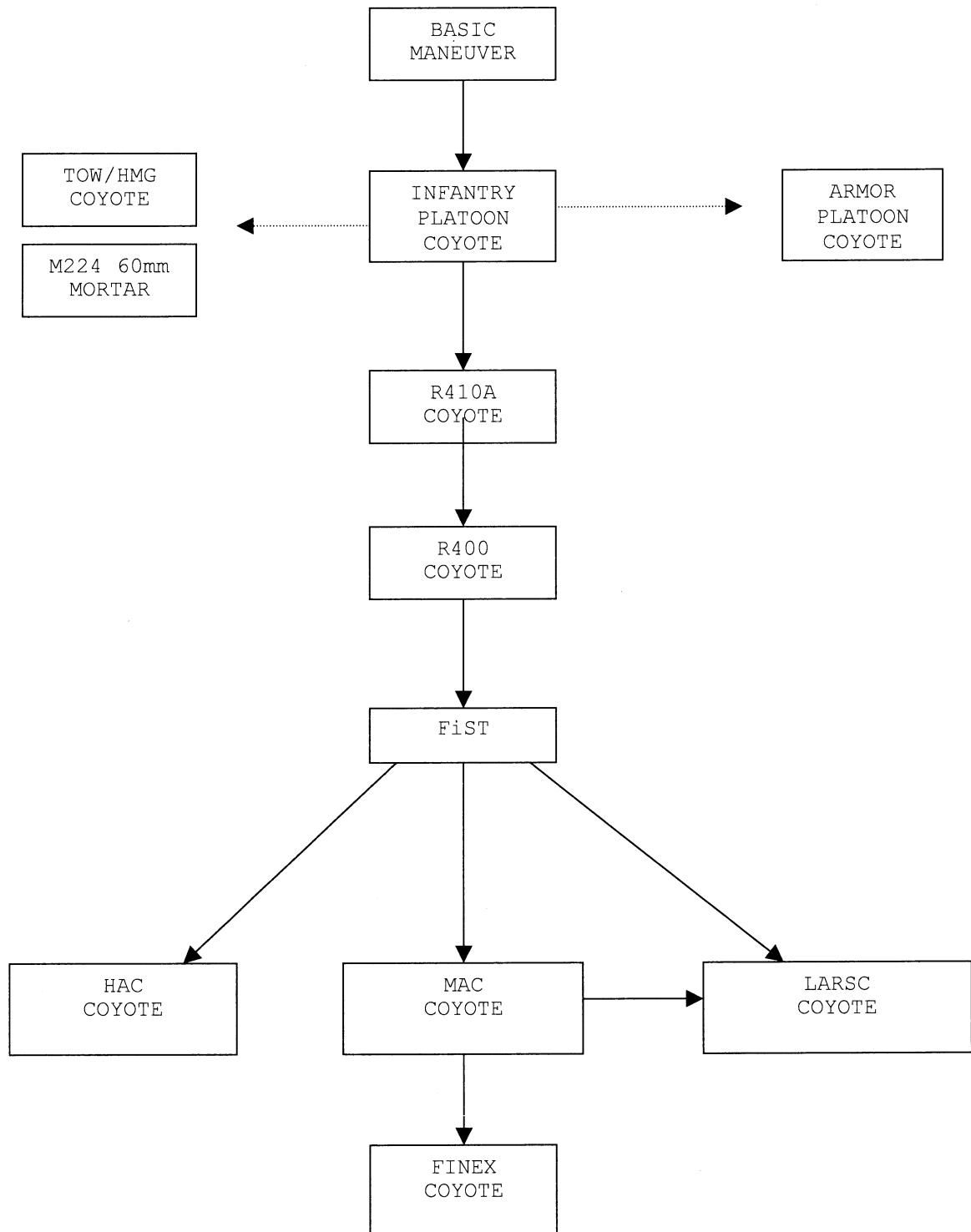
a. Signal. This Order is effective the date signed.

b. Command. This Order is applicable to Marine Corps Total Force.

  
J. D. NICHOLS  
Chief of Staff

DISTRIBUTION: A-1

## MANEUVER COYOTE CERTIFICATION FLOW CHART



ENCLOSURE (1)

## Basic Maneuver Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Basic Maneuver Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisite Certifications. None.
4. Training Objective. Prepare the Coyote/Clone to assist with controlling platoon-level units during dismounted offensive and defensive operations (ops).
5. Enabling objectives
  - a. Demonstrated knowledge of range and safety regulations for training aboard MAGTFTC.
  - b. Demonstrated knowledge of MAGTFTC and TTECG Medical Evacuation (MEDEVAC) procedures and responsibilities.
  - c. Demonstrated knowledge of names and locations of significant terrain features in the training areas.
  - d. Demonstrated knowledge of TTECG comm procedures.
  - e. Demonstrated knowledge of basic TTECG Infantry Controller procedures.
  - f. Demonstrated knowledge of TTECG procedures for conducting R410A, R400, the Mobile Assault Course (MAC), the Helicopterborne Assault Course (HAC) and the FINEX.
  - g. Demonstrate a familiarization with tactics, techniques, and procedures for attacking a fortified position, conducting a defense, and weapons employment at the platoon level.
  - h. Demonstrated ability to function as an infantry controller at the squad/section level during live-fire exercises.
6. Training Program
  - a. Classroom Instruction. The Coyote/Clone will attend the following classes:
    - (1) Battle Space Geometry Class.
    - (2) Range and Safety Regulations. Videotaped briefs on desert survival, Natural Resources and Environmental Affairs (NREA), duds and scrappers, CAX Safety Review, and R400 Safety Review.
    - (3) Tactics, Techniques, and Procedures.
      - (a) The R400 Techniques and Procedures Class.

ENCLOSURE (2)

(b) The R400 Analysis of the Situation.

b. Study Materials. The Coyote will become familiar with the following reference materials:

(1) Range and Safety Regulations.

(a) The CCO P3500.4F, SOP for Range/Training Areas and Airspace:

- Chapter 1, General
- Chapter 3, Safety
- Chapter 4, Comm
- Chapter 6, Ground Ops
- Chapter 8, CAX) Program
- Chapter 9, Restricted Areas
- Chapter 10, Environmental Affairs
- Appendix B, Ranges (R410A & R400)
- Appendix N, Small Arms Live-Fire, Maneuver, and Employment

(b) The MCO 3570.1B:

- Chapter 6, Small Arms
- Chapter 7, Grenades and Grenade Launchers
- Chapter 8, Antitank Rockets
- Chapter 15, Antitank Guided Missiles
- Chapter 19, Live Fire Exercises
- Appendix B, Alternative Surface Danger Zones
- Appendix C, Surface Danger Zone Design

(c) The CAX Safety Handout.

(2) Names and locations of MAGTF/TC Terrain Features TTECG produced map with annotated terrain feature names.

(3) The TTECG Comm Procedures, TTECG SOP Chapter 18.

(4) The TTECG Basic Maneuver Controller Procedures, TTECG SOP Chapter 12.

(5) The TTECG Procedures for conducting R410A, R400, MAC, HAC, and FINEX, TTECG SOP Chapter 2 (R410A), TTECG SOP Chapter 3 (R400), TTECG SOP Chapter 4 (MAC), TTECG SOP Chapter 5 (HAC), and TTECG SOP Chapter 10 (FINEX).

(6) Tactics, Techniques, and Procedures.

(a) Battle Drill Guide (Sept 96):

(b)

- Part II Battle Drills
- Section II Prepare
- Drill 1 Prepare for combat
- Section III Move
- Drill 2 Conduct movement techniques
- Drill 5 Establish a hasty fighting position
- Section IV Shoot
- Drill 16 Acquire targets and distribute fire
- Drill 17 Conduct fire and movement

Drill 18 Perform offensive actions on the objective  
 Drill 21 Knock out a bunker  
 Drill 22 Clear a trench line  
 Drill 23 Conduct initial breach of a mined wire obstacle  
 Drill 24 Breach a mined wire obstacle  
 Drill 25 Breach a minefield  
 Section V Defend  
 Drill 27 Consolidate and reorganize  
 Drill 28 Occupy, prepare and defend a defensive position

(b) MCO 1510.35D Individual Training Standards (OCCFLD 03):

Duty Area 1 M16A2 Service Rifle  
 Engage targets at unknown distances with the M16A2  
 (0311.01.08)  
 Duty Area 2 M249 SAW  
 Engage targets with the M249 SAW during a daylight attack  
 (0311.02.08)  
 Engage targets with the M249 SAW using field expedient firing  
 aids (0311.02.14)  
 Duty Area 3 M203 40mm Grenade Launcher  
 Engage targets with the M203 during a daylight attack  
 (0311.03.05)  
 Engage targets with the M203 using field expedient firing  
 aids (0311.03.09)  
 Duty Area 4 Munitions  
 Engage targets with hand grenades (0311.04.01)  
 Engage targets with the AT-4 (0311.04.03)  
 Direct an AT-4 engagement (0311.04.06)  
 Duty Area 7 Offense  
 Perform Fire Team fire and movement (0311.07.03)  
 Perform Squad fire and movement (0311.07.04)  
 Lead a Rifle Squad in a daylight attack (0311.07.07)  
 Reduce a bunker (0311.07.09)  
 Clear a trench (0311.07.10)  
 Lead a Fire Team in a daylight attack (0311.07.11)  
 Lead a Rifle Squad in a daylight attack of a fortified  
 objective (0311.07.18)  
 Duty Area 8 Defense  
 Fire Team fire plan sketch (0311.08.02)  
 Defend a position (0311.08.03)  
 Squad fire plan sketch (0311.08.06)  
 Duty Area 10 Scouting & Patrolling  
 Execute immediate actions on contact with the enemy  
 (0311.10.10)  
 Direct immediate actions on contact with the enemy  
 (0311.10.27)  
 Duty Area 19 First Aid  
 MEDEVAC a casualty (0311.19.07)  
 Duty Area 1 Machine Gunnery  
 Construct a machine gun position (0331.01.01)  
 Prepare a range card (0331.01.02)  
 Lay a machine gun (0331.01.06)  
 Engage targets with a machine gun using overhead fire  
 (0331.01.08)  
 Control machine gun team fires (0331.01.12)

ENCLOSURE (2)



Control overhead fires of a machine gun team (0331.01.13)  
Direct employment of machine guns in the defense (0311.01.16)  
Establish a machine gun base of fire (0331.01.18)  
Duty Area 2 M240G 7.62mm Machinegun  
Engage targets with the M240G at unknown distances  
(0331.02.11 & 12)  
Engage targets with the M240G using predetermined data  
(0331.02.13)  
Duty Area 1 MK 153 Shoulder Launched Multipurpose Assault  
Weapon (SMAW)  
Engage targets with the SMAW (0351.01.02)  
Participate in support of an attack (0351.01.04)  
Participate in support of defense (0351.01.06)  
FM 7-8, Infantry Rifle Platoon and Squad  
Chapter 2. Ops  
Section III. Offense (p.2-54 - 2-60)  
Section IV. Defense (p.2-66 - 2-86)  
Section XIII. Techniques of Fire (p.2-157 - 2-159)  
Chapter 4. Battle Drills  
Battle Drill 1. Platoon Attack (p.4-2)  
Battle Drill 1A. Squad Attack (p.4-8)  
Battle Drill 5. Knock Out Bunkers (p.4-18)  
Battle Drill 7. Enter/Clear a Trench (p.4-27)  
Battle Drill 8. Conduct Initial Breach of a Mined Wire  
Obstacle (p.4-13)

c. Field Performance. The Coyote/Clone must demonstrate the ability to perform the following actions, in accordance with the TTECG SOP, CAX Safety Handout, and MCO 3570.1 (Draft) (where applicable).

(1) R410A. Control an assault team employing a SMAW. Control a medium machinegun squad. Control an infantry squad. Control an infantry squad conducting an assault breach.

(2) R400. Control AT-4s. Assist a Platoon Coyote with controlling a platoon.

(3) MAC. Assist a Platoon Coyote with controlling a platoon during an assault. Assist a Platoon Coyote with controlling a platoon during the defense.

(4) HAC. Assist a Platoon Coyote with controlling a platoon during an assault. Assist a Platoon Coyote with controlling a platoon during the defense.

d. Examinations

(1) Written exam on the following topics:

Range and Safety Regulations  
Names and Locations of MAGTF/TC Terrain Features  
TTECG Communications Procedures  
TTECG Basic Maneuver Controller Procedures  
TTECG Procedures for Conducting R410A, R400, MAC, HAC, and FINEX

(2) Practical application (written and map) on safety regulations during defensive ops.

(3) Oral exam on the following. Tactics, techniques, and procedures. MAGTF TC and TTECG MEDEVAC procedures and responsibilities.

e. Training Schedule

CAX Training Day	Coyote Training Event
T-1	Watch videotaped classes on desert survival, NREA, duds, and scrappers Base Range Safety Officer Brief.
T-2	Attend Battle Space Geometry Class. Attend CAX Safety Review Class. Attend R400 RSO Class. Attend R400 Techniques and Procedures Class. Attend R400 Analysis of the Situation Class.
T-3	R410A
T-4	R410A
T-5	R410A
T-6	R400
T-7	R400
T-8	Mobile Assault Course Offense (MAC O)
T-9	Mobile Assault Course Defense (MAC D) Helicopter Assault Course Offense (HAC O)
T-10	Helicopter Assault Course Defense (HAC D), MAC O
T-11	Self-Study
T-12	Self-Study
T-13	Self-Study
T-14	Self-Study
T-15	Self-Study
T-16	Attend Pre-FINEX Brief, FINEX Preparation
T-17	FINEX
T-18	FINEX
T-19	FINEX
T-20	Attend Debrief
T-21	Exam

## Basic Maneuver Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Watch videotaped classes on desert survival, NREA, duds and scrappers.			
Base Range Safety Officer Class			
Attend Battle Space Geometry Class			
Attend CAX Safety Review Class			
R400 RSO Brief			
Attend R400 Techniques and Procedures Class			
Attend R400 Analysis of the Situation Class			
Control an assault team employing a SMAW on R410A			
Control a medium machinegun squad on R410A			
Control an infantry squad on R410A			
Control an infantry squad conducting an assault breach on R410A			
Control AT-4s on R400			
Assist a Platoon Coyote with controlling a platoon on R400			
Assist a Platoon Coyote with controlling a platoon during an assault on the MAC			
Assist a Platoon Coyote with controlling a platoon during the defense on the MAC			
Assist a Platoon Coyote with controlling a platoon during an assault on the HAC			
Assist a Platoon Coyote with controlling a platoon during the defense on the HAC			
Complete written exam			
Complete written prac app exercise			
Complete oral exam			

## TOW/HMG Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. The TOW/HMG Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisites Certification. None.
4. Training Objective. Prepare the Coyote/Clone to control section or platoon level units during offensive and defensive ops.
5. Performance Requirements
  - a. Demonstrated knowledge of range and safety regulations for training aboard MAGTFTC.
  - b. Demonstrated knowledge of MAGTFTC and TTECG MEDEVAC procedures and responsibilities.
  - c. Demonstrated knowledge of names and locations of significant terrain features in the training areas.
  - d. Demonstrated knowledge of TTECG comm procedures.
  - e. Demonstrated knowledge of basic TOW/HMG Controller procedures.
  - f. Demonstrated knowledge of TTECG procedures for conducting the MAC, the HAC, and the FINEX.
  - g. Demonstrated knowledge of TOW/HMG weapon systems, safety considerations, methods of engagement, tactical employment, fire control, and tank killer teams.
  - h. Demonstrated ability to function as a TOW/HMG Controller at the section/platoon level during live-fire exercises.
  - i. Demonstrated ability to graphically draw out suppression timelines and CAS 9 lines in order to deconflict maneuver from indirect and air delivered fires.
6. Training Program
  - a. Classroom Instruction. The Coyote/Clone will attend the following classes:
    - (1) Battle Space Geometry Class.
    - (2) Range and Safety Regulations. Videotaped briefs on desert survival, NREA, duds and scrappers. The CAX Safety Class and Base RSO Brief.

ENCLOSURE (3)

b. Study Materials. The Coyote/Clone will be knowledgeable in the following reference materials:

(1) Range and Safety Regulations

(a) CCO P3500.4F, SOP for Range/Training Areas and Airspace:

Chapter 1: General  
Chapter 3: Safety  
Chapter 4: Comm  
Chapter 6: Ground Ops  
Chapter 8: CAX Program  
Chapter 9: Restricted Areas

(b) MCO 3570.1B:

Chapter 15: Anti-Tank Guided Missiles  
Chapter 19: Live Fire Exercises  
Appendix B: Alternative Surface Danger Zones  
Appendix C: Surface Danger Zone Design  
CAX Safety Handout  
CAX Controllers Handbook

(2) Names and Locations of MCAGCC Terrain Features TTECG produced map with annotated terrain features names.

(3) TTECG Comm Procedures TTECG SOP Chapter 18.

(4) TTECG TOW/HMG Controller Procedures and TTECG SOP Chapter 12.

(5) TTECG Procedures for Conducting the MAC and FINEX:

TTECG SOP Chapter 4 (MAC),  
TTECG SOP Chapter 5 (HAC) and  
TTECG SOP Chapter 10 (FINEX).

(6) Tactics, Techniques and Procedures:

FMFM 2-11: Anti-Armor Ops  
Chapter 3: MAGTF Anti-Armor Weapons and Techniques  
Section 1: Weapon Systems (p 3-1 to 3-9)  
Section 2: Anti-Armor Techniques (p 3-12 to 3-29)

(a) MCO 1510.35D Individual Training Standards (OCCFLD 03):

Lay an M240 or M2 Machinegun (0331.01.06)  
Prepare Range Card (0331.01.02)  
Maintain the M2 Machinegun (0331.03.05)  
Mount the M2 Machinegun on the Ground (0331.03.02)  
Mount the M2 Machinegun on a Vehicle (0331.03.11)  
Set the Headspace and Timing on the M2 (0331.03.04)  
Zero the M2 Machinegun (0331.03.06)  
Maintain the MK19 Machinegun (0331.04.04)  
Mount the MK19 Machinegun on the Ground (0331.04.02)  
Mount the MK19 Machinegun on a Vehicle (0331.04.07)  
Zero the MK19 Machinegun (0331.04.05)

Engage targets with the M2 50 cal using predetermined data (0331.03.08)  
 Engage targets with the M2 50 cal at unknown distances (0331.03.09)  
 Mount the TOW 2 Weapon System on the Ground (0352.01.03)  
 Mount the TOW Weapon System on a Vehicle (0352.01.05)  
 Conduct a TOW 2 Weapon System Checkout (0352.01.01)  
 Engage Targets with the TOW 2 (0352.01.13)  
 Supervise the Combat Loading of a TOW 2 Vehicle (0352.02.04)  
 Conduct Tactical Movement with a TOW 2 Vehicle (0352.02.02)  
 Control TOW Squad Vehicle Movement (0352.02.06) Select TOW 2 Firing Positions (0352.02.05)  
 Prepare an Anti-Armor Range Card for the TOW 2 (0352.01.08)  
 Issue Fire Commands (0352.01.15)

c. Field Performance. The Coyote/Clone must demonstrate the ability to perform the following actions in accordance with the TTECG SOP, CAX Safety Handout and AR 385-63 (where applicable).

(1) Mobile Assault Course:

Control a section during an assault  
 Control a section during the defense

(2) Helicopterborne Assault Course:

Control a Section during an assault  
 Control a section during the defense

(3) Final Exercise:

Control a platoon or section during an assault  
 Control a platoon or section during the defense

d. Examinations

(1) Successfully complete a written examination on the following topics:

Range and Safety Regulations  
 Name and Locations of MCAGCC Terrain Features  
 TTECG Comm Procedures  
 Fire Support Coordination Procedures  
 TTECG Procedures for conducting the MAC and FINEX

(2) Prac App (written and map) on the following:

Safety Regulations during defensive and offensive ops  
 Given suppression timelines for arty and 81 mortars, and RW / FW  
 9 lines in a given tactical situation draw and describe safety limitations.

(3) Oral Exam on the following:

Tactics, Techniques, and Procedures  
 MCAGCC and TTECG MEDEVAC procedures and responsibilities.

ENCLOSURE (3)

e. Training Schedule

CAX Training Day	Coyote Training Event
T-1	Watch videotaped classes on desert survival, NREA, duds, and scrappers Base Range Safety Officer Brief.
T-2	Attend Battle Space Geometry Class.
T-3	Self-Study
T-4	Self-Study
T-5	Self-Study
T-6	Self-Study
T-7	Self-Study
T-8	MAC O
T-9	MAC D, HAC O
T-10	HAC D, MAC O
T-11	MAC O, MAC D
T-12	Self-Study
T-13	Self-Study
T-14	Self-Study
T-15	Self-Study
T-16	Attend Pre-FINEX Brief FINEX Preparation
T-17	FINEX
T-18	FINEX
T-19	FINEX
T-20	Attend MOS Debrief
T-21	Exam

f. TOW/HMG Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Watch videotaped classes on desert survival, NREA, duds, and scrappers.			
Base Range Safety Officer Brief			
Attended Battle Space Geometry			
Controlled a Section during an assault on the MAC/HAC/FINEX			
Completed Written Exam			
Completed Prac App			
Completed Oral Exam			

## Armor Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Armor Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisites Certification. None.
4. Training Objective. Prepare the Coyote/Sidewinder to control platoon level units during offensive and defensive ops.
5. Performance Requirements
  - a. Demonstrated knowledge of range and safety regulations for training aboard MCAGCC.
  - b. Demonstrated knowledge of MAGTFTC and TTECG MEDEVAC procedures and responsibilities.
  - c. Demonstrated knowledge of names and locations of significant terrain features in the training areas.
  - d. Demonstrated knowledge of TTECG comm procedures.
  - e. Demonstrated knowledge of basic Armor Controller procedures.
  - f. Demonstrated knowledge of TTECG procedures for conducting the MAC and the FINEX.
  - g. Demonstrated knowledge of the M1A1's weapon systems, safety considerations, methods of engagement, tactical employment, and fire control.
  - h. Demonstrated ability to function as an Armor Controller at the platoon level during live-fire exercises.
6. Training program
  - a. Classroom Instruction. The Coyote/Clone will attend the following classes:
    - (1) Battle Space Geometry Class.
    - (2) Range and Safety Regulations. Videotaped briefs on desert survival, NREA, duds, and scrappers. (CAX Safety Review)
  - b. Study Materials. The Coyote/Sidewinder will be knowledgeable in the following reference materials:
    - (1) Range and Safety Regulations:

ENCLOSURE (4)



(a) CCO P3500.4F, SOP for Range/Training Areas and Airspace:

- Chapter 1: General
- Chapter 3: Safety
- Chapter 4: Comm
- Chapter 6: Ground Ops
- Chapter 8: CAX Program
- Chapter 9: Restricted Areas

(b) MCO 3570.1B:

- Chapter 12: Tank Fire (Portions applicable to M1A1)
- Chapter 19: Live-Fire Exercises
- CAX Safety Handout
- CAX Controllers Handbook

(2) Names and Locations of MAGTF/TC Terrain Features TTECG produced map with annotated terrain features names.

(3) TTECG Comm Procedures and TTECG SOP Chapter 18.

(4) TTECG Armor Controller Procedures and TTECG SOP Chapter 12.

(5) TTECG Procedures for Conducting the MAC and FINEX, TTECG SOP Chapter 4 (MAC) and TTECG SOP Chapter 10 (FINEX).

(6) Tactics, Techniques and Procedures:

- FM 17-15: Tank Platoon
- Chapter 3: Offensive Ops (p 3-1 to 3-51)
- Chapter 4: Defensive Ops (p 4-1 to 4-32)
- FM 17-12-1-1: Gunnery
- Chapter 2: Functional Capabilities
- Chapter 7: Direct Fire
- Chapter 8: Machine Guns
- Chapter 9: Fire Distribution and Control

(7) Fire Support Coordination Procedure Primer

c. Field Performance. The Coyote/Sidewinder must demonstrate the ability to perform the following actions in accordance with the TTECG SOP, CAX Safety Handout and MCO 3570.1 (DRAFT) (where applicable).

(1) Mobile Assault Course:

- Control a Tank platoon during an assault
- Control a Tank section during the defense
- Control a mechanized base of fire

(2) Final Exercise:

- Control a Tank platoon or section during an assault
- Control a Tank platoon or section during the defense
- Control a mechanized base of fire

d. Examinations

- (1) Successfully complete a written exam on the following topics:

Range and Safety Regulations  
 Name and Locations of MAGTF TC Terrain Features  
 TTECG Comm Procedures  
 Fire Support Coordination Procedures  
 TTECG Procedures for conducting the MAC and FINEX

- (2) The Prac App (written and map) on the following:

Safety Regulations during defensive and offensive ops

- (3) Oral Exam on the Following:

Tactics, Techniques and Procedures  
 MAGTF TC and TTECG MEDEVAC procedures and responsibilities.

e. Training Schedule

CAX Training Day	Coyote Training Event
T-1	Watch videotaped classes on desert survival, NREA, duds, and scrappers.
T-2	Attend Battle Space Geometry Class. Attend CAX review class.
T-3	Self-Study
T-4	Self-Study
T-5	Self-Study
T-6	Self-Study
T-7	Self-Study
T-8	MAC O
T-9	MAC D
T-10	MAC O
T-11	MAC O, MAC D
T-12	Self-Study
T-13	Self-Study
T-14	Self-Study
T-15	Self-Study
T-16	Attend Pre-FINEX Brief FINEX Preparation
T-17	FINEX
T-18	FINEX
T-19	FINEX
T-20	Attend MOS Debrief
T-21	Exam

## f. Armor Platoon Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Watch videotaped classes on desert survival, NREA, duds and scrappers.			
Attended Battle Space Geometry			
Attended CAX Safety Class			
Controlled a Tank Platoon during an assault			
Controlled a Tank Platoon during the defense			
Completed Written Exam			
Completed Prac App			
Completed Oral Exam			

## Infantry Platoon Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Infantry Platoon Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisites Certifications. Basic Maneuver Coyote.
4. Training Objective. Prepare the Coyote to control as the primary, platoon size attacks during R400, the MAC, the HAC, and FINEX.
5. Performance Requirements
  - a. Demonstrate knowledge of TTECG procedures for controlling platoon size dismounts.
  - b. Familiarization with tactics, techniques and procedures for the following ops:
    - (1) Infantry platoon mechanized ops.
    - (2) Infantry platoon dismounted attacks.
6. Training program
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - (1) TTECG Procedures:
      - TTECG SOP Chapter 2 (R410A)
      - TTECG SOP Chapter 3 (R400)
      - TTECG SOP Chapter 4 (MAC)
      - TTECG SOP Chapter 5 (HAC)
      - TTECG SOP Chapter 10 (FINEX)
      - TTECG SOP Chapter 12 (Maneuver)
    - (2) Tactics, Techniques and Procedures:
      - FMFM 6-5, Marine Rifle Squad (all pages)
      - FMFM 6-4, Marine Rifle Company (all pages)
      - FM 7-8, Infantry Rifle Platoon And Squad (all pages)
      - FM 71-1 Tank and Mechanized Infantry Company Team (all pages)
      - FM 7-10, Infantry Rifle Company
      - Chapter 2, Command and Control
      - Chapter 3, Movement
      - Chapter 4, Offensive Ops
      - Appendix J, Employment of AntiArmor Weapons
  - c. Field Performance
    - (1) The Coyote must demonstrate the ability to control platoons in both offensive and defensive scenarios in accordance with the TTECG SOP.

ENCLOSURE (5)

(2) Primary control of a platoon will be preceded by riding along with a certified Platoon Coyote, who will conduct hands-on instruction in the procedures for controlling a platoon.

d. Examinations

(1) Written exam on the following topics:

TTECG procedures for controlling an infantry platoon.

(2) The Prac App on the following:

Safety during platoon level ops.

(3) Oral exam on the following:

Tactics, techniques, and procedures.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-2 thru T-6	R400 backseat a platoon Coyote
T-7 thru T-10	MAC/HAC backseat a platoon Coyote
T-16 thru T-18	FINEX with a platoon Coyote

(2) CAX 2

CAX Training Day	Coyote Training Event
T-2	Test
T-2 thru T-6	R400 as Platoon Coyote
T-7 thru T-10	MAC/HAC as primary platoon Coyote
T-16 thru T-18	FINEX as primary platoon Coyote

f. Infantry Platoon Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified R400 Coyote			
Backseat MAC/HAC w/Platoon Coyote			
Backseat FINEX with Platoon Coyote			
Prac App test			
Completed Oral Exam			
Primary platoon certified			

## Range 410A Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. The R410A Coyote.
2. Ranges/Exercises certified to conduct. The R410A.
3. Prerequisite Certifications. Infantry Platoon Coyote.
4. Training Objectives. Prepare the Coyote to conduct R410A.
5. Performance Requirements
  - a. Demonstrate knowledge of TTECG procedures for conducting R410A.
  - b. Familiarization with tactics, techniques, and procedures for the following operations: Infantry platoon assault of a fortified position.
  - c. Demonstrated ability to conduct R410A as the senior maneuver Coyote.
6. Training programs
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - (1) TTECG Procedures:

TTECG SOP Chapter 2 (R410A)
    - (2) Tactics, Techniques and Procedures:

FMFM 6-5, Marine Rifle Squad (all pages)  
FMFM 6-4, Marine Rifle Company (all pages)  
FM 7-8, Infantry Rifle Platoon And Squad (all pages)  
FM 7-10, Infantry Rifle Company  
Chapter 2, Command and Control  
Chapter 3, Movement  
Chapter 4, Offensive Ops  
Appendix J, Employment of AntiArmor Weapons
  - b. Field Performance
    - (1) The Coyote must demonstrate the ability to conduct Range 410A in accordance with the TTECG SOP.
    - (2) The conduct of R410A will be preceded by riding along with a certified R410A Coyote, who will conduct hands-on instruction in the procedures for conducting the exercise.

ENCLOSURE (6)

c. Examinations

(1) Written exam on the following topics:

TTECG procedures for conducting R410A.

(2) The Prac App on the following:

Safety on R410A.

(3) Oral exam on the following:

Tactics, techniques, and procedures.

d. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-2	R410A observe from MG hill
T-3	R410A with squad CY
T-4	R410A with squad CY

(2) CAX 2

CAX Training Day	Coyote Training Event
T-2	Test
T-2	R410A as MG Hill CY
T-3	R410A (Backseat the primary)
T-4	R410A Qual

f. Range 410A Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
R410A as MG Hill CY			
Backseat certified R410A Coyote			
Written Test			
Prac App test			
Completed Oral Exam			
Conduct R410A			

## FiST Coyote Training

Name: \_\_\_\_\_  
Callsign: \_\_\_\_\_

1. Certification. FiST Coyote.
2. Ranges/Exercises certified to conduct. FSCEX I.
3. Prerequisites Certifications. Basic Maneuver Coyote, TOW/HMG Coyote or Armor Platoon Coyote and Infantry Platoon Coyote.
4. Training Objective. Prepare the Coyote to teach/coach Company Fire Support Teams during offensive and defensive ops.

5. Performance Requirements

- a. Demonstrate knowledge of fire support planning/execution in the company offense.
- b. Demonstrate knowledge of fire support planning/execution in the company defense.
- c. Demonstrate knowledge of Defensive Ops.
- d. Demonstrate knowledge of Combined Arms Breaching.
- e. Demonstrate knowledge of 81mm & 60mm mortar/Artillery FO procedures.
- f. Demonstrate knowledge of RW/FWCAS FAC procedures.
- g. Demonstrated ability to teach/coach a company Fire Support Team on FSCEX I as the senior Maneuver Coyote.

6. Training program

- a. Study Materials. The Coyote will become familiar with the following reference material:

(1) The TTECG Procedures:

TTECG SOP Chapter 4 (MAC)  
TTECG SOP Chapter 5 (HAC)  
TTECG SOP Chapter 7 (FSCEX I)  
TTECG SOP Chapter 8 (FSCEX II)  
TTECG SOP Chapter 9 (FSCEX III)  
TTECG SOP Chapter 10 (FINEX)  
TTECG SOP Chapter 12 (Maneuver)

(2) Tactics, Techniques, and Procedures:

FMFM 6-4, Marine Rifle Company (all pages)  
FMFM 6-18, Techniques and Procedures for Fire Support  
Coordination

ENCLOSURE (7)



FMFM 6-8, Supporting Arms Observer, Spotter, and Controller (all pages)

FM 7-10, Infantry Rifle Company

Chapter 2, Command and Control (pp 2-1 to 2-10)

Chapter 4, Offensive Ops

Chapter 5, Defensive Ops

Chapter 6, Other Tactical Ops (pp 6-1 to 6-18)

Chapter 7, Combat Support

Section 3, Fire Support Planning

Chapter 8, Combat Service Support

Section 5, Medical Support

Appendix B, Light/Heavy Ops

Appendix C, Obstacles

Appendix D, Helicopter Support

Appendix E, Company Mortars

Appendix J, Employment of Anti-Armor Weapons

(2) FM 6-30, Observed Fire Procedures (all pages)

(3) FM 5-34, Engineer Field Data:

Chapter 3, Countermobility

Chapter 4, Survivability

(4) FM 5-102, Countermobility

(5) FM 90-13-1, Combined Arms Breaching Ops (all pages)

(6) FM 71-1 Tank and Mechanized Infantry Company Team (all pages):

Chapter 3, Offensive Ops (pp 3-1 to 3-51)

Chapter 4, Defensive Ops (pp 4-1 to 4-37)

Chapter 5, Other Tactical Os

Section II, Passage of Lines (pp 5-6 to 5-7)

Section III, Delay (pp 5-8 to 5-13)

Appendix C, Obstacles (pp C-1 to C-8)

Appendix E, Smoke Ops (pp E-1 to E-8)

b. Classroom Instruction. The Coyote will attend the following classes:

(1) Supporting Arms Integration Course

(2) CAS TTP's Aviation Fire Support

(3) FiST Procedures

(4) Combined Arms Breaching Ops

(5) Defensive Ops, BSG

(6) FO Procedures

c. Field Performance

(1) The Coyote must demonstrate the ability to conduct FSCEX I in accordance with the TTECG SOP.

ENCLOSURE (7)

(2) The conduct of FSCEX I will be preceded by riding along with a certified FiST Coyote, who will conduct hands-on instruction in the procedures for conducting the exercise.

(3) The Coyote will ride along on the MAC with a certified Artillery Coyote, who will conduct hands-on instruction in the artillery procedures for conducting the exercise.

(4) The Coyote will ride along on the MAC with a certified Air Coyote, who will conduct hands-on instruction in the air procedures for conducting the exercise.

(5) The Coyote will ride along on the MAC with a certified FiST Coyote, who will conduct hands-on instruction in the teaching/coaching procedures for riding with the FiST.

(6) The Coyote must demonstrate the ability to teach/coach a company FiST team on the MAC.

(7) The Coyote must demonstrate the ability to teach/coach a company FiST team on the HAC.

(8) The Coyote must demonstrate the ability to teach/coach a company FiST team on FSCEX II.

(9) The Coyote must demonstrate the ability to teach/coach a company FiST team on FSCEX III.

(10) The Coyote must demonstrate the ability to teach/coach a company FiST team on FINEX.

d. Examinations

(1) Written examination on the following topics:

TTECG procedures for controlling a company FiST on the MAC.  
TTECG procedures for conducting FSCEX I.  
TTECG procedures for controlling a company FiST on FSCEX II.  
TTECG procedures for controlling a company FiST on FSCEX III.  
TTECG procedures for controlling a company FiST on FINEX.  
EA Building  
Combined Arms Breaching  
Observed Fire Procedures  
RW and FWCAS FAC procedures  
Supporting Arms Integration

(2) The Prac App on the following:

FiST controller procedures.

(3) Oral exam on the following:

Tactics, techniques and procedures.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the examination at the Coyote's discretion.

## (1) CAX 1

CAX Training Day	Coyote Training Event
T-3	Attend Supporting Arms Integration Course. Attend Advanced FAC Air Request Procedures. Attend FiST Procedures. Attend Combined Arms Breaching Ops. Attend EA Building.
T-4	Observe FiST Prac App
T-7	Backseat FSCEX I
T-8	Backseat Arty Rep (LARSC, MAC O)
T-9	Backseat Air Rep (MAC D, HAC O)
T-10	Backseat FiST Coyote (HAC D, MAC O)
T-12	Observe CAST I
T-13	Observe CAST II
T-14	Backseat FiST Coyote (FSCEX II)
T-15	Backseat TF EA FiST Coyote (FSCEX II)
T-17	Backseat FiST Coyote
T-18	Backseat FiST Coyote
T-19	Backseat FiST Coyote

## (2) CAX 2

CAX Training Day	Coyote Training Event
T-2	Written Test
T-3	Attend FO Procedures Class. Prac App Test
T-4	FiST Prac App
T-5	ASCEX I
T-7	FSCEX I Qual
T-8	Backseat FiST Coyote (MAC O)
T-9	Backseat FiST Coyote (MAC D, HAC O)
T-10	Backseat FiST Coyote (HAC D, MAC O)
T-11	FiST Coyote Qual (MAC O)
T-12	FiST Coyote CAST I
T-13	FiST Coyote CAST II
T-14	FiST Coyote (FSCEX II)
T-15	Backseat TF EA FiST Coyote (FSCEX III)
T-17	FiST Coyote (Day 1 FINEX)

## (3) CAX 3

CAX Training Day	Coyote Training Event
T-4	FiST Prac App
T-5	ASCEX I
T-7	FSCEX I
T-8	FiST Coyote (MAC O)
T-9	FiST Coyote Qual (MAC D, HAC O)
T-10	FiST Coyote Qual (HAC D, MAC O)
T-11	FiST Coyote (MAC O)
T-12	FiST Coyote CAST I
T-13	FiST Coyote CAST II
T-14	FiST Coyote (FSCEX II)
T-15	TF EA FiST Coyote Qual (FSCEX III)
T-17	FiST Coyote (Day 1 FINEX)
T-18	FiST Coyote (Day 2 FINEX)
T-19	FiST Coyote (Day 3 FINEX)

## f. FiST Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified FiST Coyote on conduct of FSCEX I			
Backseat certified FiST Coyote on MAC O			
Backseat certified FiST Coyote on MAC D			
Backseat certified FiST Coyote on HAC O			
Backseat certified FiST Coyote on HAC D			
Backseat certified FiST Coyote on FSCEX II			
Backseat certified FiST Coyote on FSCEX III			
Backseat certified FiST Coyote on FINEX			
Written Exam			
Prac App Exam			
Complete Oral Exam			
Teach/coach a FiST during Prac App			
Conduct FSCEX I			
Teach/coach a FiST on MAC O			
Teach/coach a FiST on MAC D			
Teach/coach a FiST on HAC O			
Teach/coach a FiST on HAC D			
Teach/coach a FiST on FSCEX II			
Teach/coach a FiST on FSCEX III			
Teach/coach a FiST on FINEX Day 1			
Teach/coach a FiST on FINEX Day 2			
Teach/coach a FiST on FINEX Day 3			

ENCLOSURE (7)

## Range 400 Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. R400 Coyote.
2. Ranges/Exercises certified to conduct. R400.
3. Prerequisite Certifications. Basic Maneuver Coyote, Infantry Platoon Coyote, and R410A Coyote.
4. Training Objective. Prepare the Coyote to conduct R400.
5. Performance requirements.
  - a. Demonstrate knowledge of TTECG procedures for conducting R400.
  - b. Familiarization with tactics, techniques, and procedures for the following operations:
    - (1) Infantry company assault of a fortified position.
  - c. Certify to teach R400 Techniques and Procedures.
  - d. Certify to teach R400 Estimate of the Situation.
  - e. Demonstrated ability to conduct R400 as the senior maneuver Coyote.
6. Training program
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - (1) TTECG Procedures:
      - TTECG SOP Chapter 3 (R400)
      - TTECG SOP Chapter 12 (Maneuver)
    - (2) Tactics, Techniques and Procedures:
      - FMFM 6-4, Marine Rifle Company (all pages)
      - FM 7-10, Infantry Rifle Company
      - Chapter 2, Command and Control
      - Chapter 3, Movement
      - Chapter 4, Offensive Ops
      - Chapter 7, Combat Support
      - Chapter 8, Combat Service Support
      - Section 5, Medical Support
      - Appendix E, Company Mortars
      - Appendix J, Employment of AntiArmor Weapons
  - b. Classroom Instruction. The Coyote will certify to teach the following classes:

ENCLOSURE (8)

(1) R400 Techniques and Procedures.

(2) R400 Estimate of the Situation.

c. Field Performance

(1) The Coyote must demonstrate the ability to conduct R400 in accordance with the TTECG SOP.

(2) The conduct of R400 will be preceded by riding along with a certified FiST Coyote, who will conduct hands-on instruction in the procedures for conducting the exercise.

d. Examinations

(1) Written examination on the following topics:

TTECG procedures for conducting Range 400.

(2) Prac App on the following:

Safety on R400.

(3) Oral exam on the following:

Tactics, techniques, and procedures.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the examination at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-4	R400 as Platoon CY
T-5	R400 as MG Hill CY
T-6	R400 (Backseat the primary)

(2) CAX 2

CAX Training Day	Coyote Training Event
T-2	Exam
T-4	R400 as MG Hill CY
T-5	R400 (Backseat the primary)
T-6	R400 Qual

f. Range 400 Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
R400 as MG Hill CY			
Backseat certified R400 CY			
Written Test			
Prac App Exam			
Complete Oral Exam			
Conduct R400			

ENCLOSURE (8)

## MAC Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. MAC Coyote.
2. Ranges/Exercises certified to conduct. MAC.
3. Prerequisite Certifications. FiST Coyote.
4. Training Objective. Prepare the Coyote to conduct the MAC.
5. Enabling objectives
  - a. Demonstrated knowledge of TTECG procedures for conducting the MAC.
  - b. Familiarization with tactics, techniques, and procedures for the following ops:
    - (1) Tank/mechanized company breaching.
    - (2) Tank/mechanized company defensive ops.
    - (3) Tank/mechanized company movement to contact.
    - (4) Tank/mechanized company road march and assembly area ops.
    - (5) Tank/mechanized company delay ops.
    - (6) Tank/mechanized company passage of lines.
    - (7) Tank/mechanized company combat service support.
  - c. Demonstrated ability to conduct the MAC as the senior maneuver Coyote.
6. Training program
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - (1) TTECG Procedures for Conducting the MAC:

TTECG SOP Chapter 4 (MAC)
    - (2) Tactics, Techniques and Procedures:

FM 71-1, Tank and Mechanized Infantry Company Team  
Chapter 1. Introduction (p.1-1 - 1-10)  
Chapter 2. Command and Control (p.2-1 - 2-41)  
Chapter 3. Offensive Ops (p.3-1 - 3-51)  
Chapter 4. Defensive Ops (p.4-1 - 4-37)  
Chapter 5. Other Tactical Ops

ENCLOSURE (9)

Section II. Passage of Lines (p.5-6 - 5-7)  
Section III. Delay (p.5-8 - 5-13)  
Chapter 7. Combat Service Support (p.7-1 - 7-12)  
Appendix B. Road Marches and Assembly Areas (p. B-1 - B-9)  
Appendix C. Obstacles (p.C-1 - C-8)  
Appendix E. Smoke Ops (p.E-1 - E-8)  
FM 71-123, Tactics and Techniques for Combined Arms Heavy Forces:  
Armored Brigade, Battalion/Task Force, and Company/Team  
Chapter 2. Preparation for Combat  
Section I. Assembly Areas (p.2-1 - 2-38)  
Section IV. Reconnaissance and Surveillance (p.2-49 - 2-52)  
Section V. Counterreconnaissance (p.2-52 - 2-54)  
Chapter 3. Offensive Ops  
Section III. Company Team Offensive Ops (p.3-121 - 3-168)  
Chapter 4. Defensive Ops  
Section III. Company Team Defensive Ops (p.4-101 - 4-164)  
Chapter 5. Retrograde Ops  
Section III. Company Team Retrograde Ops (p.5-32 - 5-39)  
Chapter 6. Other Tactical Ops  
Section III. Company Team Tactical Ops\Battle Handover and  
Passage of Lines (p.6-109 - 6-112)  
Guard Ops (p.6-124 - 6-131)  
Screen Ops (p.6-131 - 6-136)  
Breaching Ops (p.6-143 - 6-147)  
Chapter 8. Combat Service Support  
Section III. Company Team (p.8-41 - 8-50)  
Appendix A. Movement (p.A-1 - A-31)  
Appendix G. Smoke Ops (p.G-1 - G-7)  
FMFM 2-11, Antiarmor Ops (all pages)  
FM 90-13-1, Combined Arms Breaching Ops (all pages)

b. Field Performance

(1) The Coyote must demonstrate the ability to conduct the Mobile Assault Course, in accordance with the TTECG SOP.

(2) The conduct of the MAC will be preceded by riding along with a certified MAC Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

c. Examinations

(1) Written exam on the following topics:

TTECG procedures for conducting the MAC.

(2) Oral exam on the following:

Tactics, techniques and procedures.



d. Training Schedule. Training will be conducted over a one-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

CAX Training Day	Coyote Training Event
T-8	Backseat certified MAC Coyote on conduct of MAC Offense
T-9	Backseat certified MAC Coyote on conduct of MAC D
T-9	Exam
T-10	Conduct MAC O
T-11	Conduct MAC D

f. MAC Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified MAC Coyote on conduct of MAC O			
Backseat certified MAC Coyote on conduct of MAC D			
Complete Oral Exam			
Conduct MAC O			
Conduct MAC D			

LAR Screen Course Coyote Training

Name: \_\_\_\_\_  
Callsign: \_\_\_\_\_

1. Certification. LARSC Coyote.
2. Ranges/Exercises certified to conduct. LARSC, LAR Corridor during FINEX.
3. Prerequisite Certifications. Certification as a MAC Coyote.
4. Training Objective. Prepare the Coyote to conduct the LARSC and to run the LAR corridor during FSCEX II, FSCEX III, and FINEX.
5. Enabling Objectives

a. Demonstrated knowledge of TTECG procedures for the following exercises:

- (1) LARSC
- (2) FSCEX II
- (3) FSCEX III
- (4) FINEX

b. Familiarization with tactics, techniques, and procedures for the following ops.

- (1) LAR security ops.
- (2) Rearward passage of lines and battle handover during battalion defensive ops.
- (3) Link-ups.

c. Demonstrated ability to conduct the LARSC, and to run the LAR corridor during FSCEX II, FSCEX III, and FINEX.

6. Training program

a. Study Materials. The Coyote will become familiar with the following reference material:

(1) TTECG Procedures for Conducting the LARSC, FSCEX II, FSCEX III, and FINEX.

TTECG SOP Chapter 6 (LARSC)  
TTECG SOP Chapter 8 (FSCEX II)  
TTECG SOP Chapter 9 (FSCEX III)  
TTECG SOP Chapter 10 (FINEX)

ENCLOSURE (10)

(2) Tactics, Techniques and Procedures:

FMFM 6-30, Employment of the Light Armored Infantry Battalion  
(all pages)  
FM 17-95, Cavalry Ops  
Chapter 3, Reconnaissance Ops (pp 3-1 to 3-27)  
Chapter 4, Security Ops (pp 4-1 to 4-46)  
Chapter 7, Other Ops  
Section VII, Movement (pp 7-29 to 7-34)  
Section VIII, Assembly Areas (pp 7-34 to 7-37)  
Section IX, Battle Handover and Passage of Lines (pp 7-37 to 7-43)  
Chapter 9, Combat Service Support  
Part I, Combat Service Support  
Section IV, Squadron and Troop Ops (pp 9-10 to 9-21)  
FM 71-2, The Tank and Mechanized Infantry Battalion Task Force  
Chapter 5, Other Tactical Ops  
Section II, Passage of Lines (pp 5-20 to 5-27)  
Section V, Linkup (pp 5-39 to 5-43)  
FM 71-123, Tactics and Techniques for Combined Arms Heavy Forces:  
Armored Brigade, Battalion/Task Force, and Company/Team  
Chapter 6. Other Tactical Ops  
Section II, Battalion Task Force Tactical Ops  
Battle Handover and Passage of Lines (pp 6-52 - 6-72)  
Linkup Ops (pp 6-83 to 6-88)

b. Field Performance

(1) The Coyote must demonstrate the ability to perform the following, in accordance with the TTECG SOP:

- (a) Conduct the LARSC as the senior maneuver Coyote.
- (b) Run the LAR corridor during CAST I (FSCEX II).
- (c) Run the LAR corridor during CAST II (FSCEX III).
- (d) Run the LAR corridor during FSCEX II.
- (e) Run the LAR corridor during FSCEX III.
- (f) Run the LAR corridor during FINEX.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified LAR Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

c. Examinations

(1) Written exam on the following topics:

(a) TTECG procedures for conducting the LARSC, FSCEX II, FSCEX III, and FINEX.

(b) Oral exam on the following:

(c) Tactics, techniques, and procedures.

d. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-8	Backseat certified LAR Coyote on conduct of LARSC
T-12	Backseat certified LAR Coyote on conduct of LAR corridor during CAST I (FSCEX II)
T-13	Backseat certified LAR Coyote on conduct of LAR corridor during CAST II (FSCEX III)
T-14	Backseat certified LAR Coyote on conduct on LAR corridor during FSCEX II
T-15	Backseat certified LAR Coyote on conduct of LAR corridor during FSCEX III
T-17	Backseat certified LAR Coyote on conduct of LAR corridor during FINEX
T-18	Backseat certified LAR Coyote on conduct of LAR corridor during FINEX
T-21	Conduct MAC D

(2) CAX 2

CAX Training Day	Coyote Training Event
T-8	Conduct LARSC
T-12	Run LAR corridor during CAST I (FSCEX II)
T-13	Run LAR corridor during CAST II (FSCEX III)
T-14	Run LAR corridor during FSCEX II
T-15	Run LAR corridor during FSCEX III
T-17	Run LAR corridor during FINEX
T-18	Run LAR corridor during FINEX
T-19	Run LAR corridor during FINEX

f. LAR Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified LAR Coyote on conduct of LARSC			
Backseat certified LAR Coyote on conduct of LAR corridor during CAST I (FSCEX II)			
Backseat certified LAR Coyote on conduct of LAR corridor during CAST II (FSCEX III)			
Backseat certified LAR Coyote on conduct of LAR corridor during FSCEX II			

Backseat certified LAR Coyote on conduct of LAR corridor during FSCEX III			
Backseat certified LAR Coyote on conduct of LAR corridor during FINEX			
Backseat certified LAR Coyote on conduct of LAR corridor during FINEX			
Complete Written/Oral Exams			
Conduct LARSC			
Run LAR corridor during CAST I (FSCEX II)			
Run LAR corridor during CAST II (FSCEX III)			
Run LAR corridor during FINEX			
Run LAR corridor during FINEX			
Run LAR corridor during FINEX			

## Engineer Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Engineer Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisite Certifications. Basic Maneuver Coyote.
4. Training objective. Qualify the Combat Engineer Representative in the preparation and execution of all matters pertaining to mobility, counter mobility, survivability, and general Engineering during the CAX.
5. Performance requirements
  - a. Discuss the SDZ and related safety concerns for employing the Bangalore Torpedo.
  - b. Discuss the minimum safe distances and related safety concerns for employing demolitions.
  - c. Discuss the safety concerns for priming demolitions (electric and non-electric).
  - d. Discuss the SDZ, safety concerns, and misfire procedures for employing the MICLIC (internal and external).
  - e. Demonstrate the ability to control and critique an assault breach of a wire obstacle on R410A or R400.
  - f. Demonstrate the ability to control and critique an explosive breach of a wire obstacle on R400.
  - g. Demonstrate the ability to critique a clandestine breach of an AP minefield on R400.
  - h. Demonstrate the ability to control and critique the employment of demolition charges during defensive ops.
  - i. Demonstrate the ability to control and critique the employment of the MICLIC during a mechanized breach on a MAC or FSCEX II.
  - j. Demonstrate the ability to critique the planning and execution of battalion breach operations during the combined arms staff trainer.
  - k. Demonstrate the ability to critique the planning and execution of battalion breach ops.
  - l. Demonstrate the ability to critique the planning and execution of the counter mobility and survivability operations of a reinforced battalion during the combined arms staff trainer.

ENCLOSURE (11)

m. Demonstrate the ability to critique the planning and execution of the counter mobility and survivability operations of a reinforced battalion.

6. Training Program

a. Study Materials. The Coyote will become familiar with the following reference material:

- (1) TTECG Procedures
- (2) TTECG SOP

b. Classroom Instruction. The Coyote will certify to teach the following classes:

- (1) Combined Arms Breaching
- (2) Defensive Ops
- (3) Intro to Rapid Runway Repair (RRR)
- (4) BRAAT Command and Control
- (5) RRR Planning Considerations
- (6) Damage Assessment Team
- (7) Methods of Crater and Small Repair
- (8) Minimum Operating Ship Selection
- (9) Unexploded Ordnance
- (10) Rear Area Security
- (11) Survivability Prac App
- (12) OCD Practical Application

c. Field Performance. The Coyote must demonstrate the performance requirements as required during R400, MAC offence and defiance, LARSC, HAC offence and defiance, CAST 1/2, and FINEX.

d. Examinations. A written and oral exam will be administered.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to examination at the Coyote's discretion.

## (1) CAX 1

CAX Training Day	Coyote Training Event
T-1	In brief with Engineer Rep. Review CAX Schedule. Clone duties/responsibilities. Read Smartpack & Safety Handout. Read MCO 3570.1 & CCO P3500.11. Accompany Asst Engineer Rep to Range 400 & 410A
T-2	Attend FiST procedures, CA Breaching Ops, Defensive Ops, and FSCEC Prac App
T-3	Attend Survivability Prac App
T-4	Backseat R400, Attend OCD Prac App
T-5	Backseat R400
T-6	Backseat R400
T-8	Backseat LARSC/MAC O
T-9	Backseat MAC D/HAC O
T-10	Backseat HAC D/MAC O
T-11	Backseat MAC O/Tank MAC
T-12	Observe MAGTF CAST I
T-13	Observe MAGTF CAST II
T-15	Backseat FSCEX II
T-16	Backseat FSCEX III
T-18 - 20	Backseat FINEX
T-21	Observe Debrief Rep
T-22	Observe Debrief, Debrief with Maneuver Shop, Debrief with all Coyotes

## (2) CAX 2

CAX Training Day	Coyote Training Event
T-1	Review CAX Training Schedule, Q&A with Engineer Rep/Ex Force
T-2	Teach Engineer portion of CA Breaching & Defense Ops Class
T-3	Tach Survivability Prac App
T-4	Front seat R400, Teach OCD Prac App
T-5	Front seat R400
T-6	Front seat R400
T-8	Front seat LARSC/MAC O
T-9	Front seat MAC D/HAC O
T-10	Front seat HAC D/ MAC O
T-11	Front seat MAC O/Tank MAC
T-12	Front seat MAGTF CAST I
T-13	Front seat MAGTF CAST II
T-15	Front seat FSCEX II
T-16	Front seat FSCEX III
T-18 - 20	Front seat FINEX
T-21	Debrief Prep
T-22	Observe Debrief, Debrief with all Coyotes, Take written exam, Take oral exam

ENCLOSURE (11)



## f. The TTECG Engineer Representative Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Watch videos on Engineering Ops			
Attend Combined Arms Breaching Class			
Attend Defense Ops Class			
Attend Survivability			
Attend OCD Prac App			
Assist in controlling Engineers on R400			
Control Deception Breach on R400			
Control Main Breach on R400			
Control mine/wire obstacle breach on R400			
Assist in controlling Engineers during LARSC			
Control engineers during LARSC			
Assist controlling Engineers during MAC O			
Control Engineers during MAC O			
Assist controlling Engineers during MAC D			
Control Engineers during MAC D			
Assist controlling Engineer during HAC D			
Control Engineers during HAC O			
Assist controlling Engineer portion of CAST			
Control Engineers during CAST			
Assist controlling Engineers during FINEX O			
Assist controlling Engineers during FINEX D			
Control Engineers during FINEX D			
Teach CA Breach			
Teach Def Ops			
Teach Surv PA			
Teach OCD			
Teach Intro to RRR			
Teach Braat Cmd and control			
Teach RRR Planeing Condiderations			
Teach methods of Crater and Spull Repair			
Teach MOS selection			
Teach UXO's			
Teach Damage Assessment Team			
Teach RAS			

## Assistant Engineer Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Engineer Coyote
2. Ranges/Exercises certified to conduct. None.
3. Prerequisite Certifications. Basic Maneuver Coyote.
4. Training objective. Qualify the Assistant Combat Engineer Rep in the perpetration and execution of all matters pertaining to mobility, combat, survivability, and general engineering during the CAX.
5. Performance Requirements
  - a. Discuss the SDZ and related safety concerns for employing the Bangalore Torpedo.
  - b. Discuss the minimum safe distances and related safety concerns for employing demolitions.
  - c. Discuss the safety concerns for priming demolitions (electric and non-electric).
  - d. Discuss the SDZ, safety concerns, and misfire procedures for employing the MICLIC (internal and external).
  - e. Demonstrate the ability to control and critique an assault breach of a wire obstacle on R410A or R400.
  - f. Demonstrate the ability to control and critique an explosive breach of a wire obstacle on R400.
  - g. Demonstrate the ability to critique a clandestine breach of an AP minefield on R400.
  - h. Demonstrate the ability to control and critique the employment of demolition charges during defensive ops.
  - i. Demonstrate the ability to control and critique the employment of the MICLIC during a mechanized breach on a MAC or FSCEX II.
  - j. Demonstrate the ability to Teach Assault Breaching and Mine awareness, Mine Detection Ops to Exercise Force Units.
6. Training Program
  - a. Study Materials. The Coyote will become familiar with the following reference material:

- (1) TTECG SOP

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- (2) CAX Safety Handout
- (3) FM 5-34 Engineer Field Data
- (4) FM 5-250 Explosive and Demolitions
- (5) FM 20-32 Mine/ Countermine Ops

b. Classroom Instruction. The Coyote will certify to teach the following classes:

- (1) Assault Breaching
- (2) Mine Awareness and Mine detection Ops

c. Field Performance. The Coyote must demonstrate the performance requirements.

d. Examinations. There will be an oral and written exam.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to exam at the Coyote's discretion. The Training Schedule for Assistant Engineer Coyote's is the same as Engineer Coyote's in enclosure (11).

f. The TTECG Assistant Engineer Representative Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Watch videos on Engineer Ops			
Attend Combined Arms Breaching Class			
Attend Defensive Ops Class			
Attend Survivability Prac App			
Assist in controlling Engineers on R400			
Control Deception Breach on R400			
Control Main Breach on R400			
Control mine/wire obstacle breach on R400			
Assist in controlling engineers during LARSC			
Assist in controlling Engineers during MAC O			
Assist in controlling Engineers during MAC D			
Assist in controlling Engineers during HAC D			
Monitor Engineer portions of CAST			
Assist in controlling Engineers during FINEX O			
Assist in controlling Engineers during FINEX D			

Schedule Ground and Airspace requirements for CAX			
Coordinate and conduct target upgrade			
Complete written exam			
Complete oral exam			
Teach Assault Breaching			
Teach Mine Awareness/Mine Detector Ops			

Dismounted Engineer Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Engineer Coyote.
2. Ranges/Exercises certified to conduct. None.
3. Prerequisite Certifications. Basic Maneuver Coyote.
4. Training Objective. Qualify designated Coyotes to control the safe employment of demolitions in support of dismounted attacks or defenses.
5. Performance Requirements
  - a. Discuss the SDZ and related safety concerns for employing the Bangalore Torpedo.
  - b. Discuss the minimum safe distances and related safety concerns for employing demolitions.
  - c. Discuss the safety concerns for priming demolitions (electric and non-electric).
  - d. Demonstrate the ability to control a non-explosive breach of a of a mine/wire obstacle.
  - e. Demonstrate the ability to control the employment of demolition charges during defensive ops.
6. Training program
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - (1) CAX Safety Handout
    - (2) FM 5-34 Engineer Field Data
    - (3) FM 5-250 Explosives and Demolitions
  - b. Classroom Instruction. The Coyote will certify to teach the following classes: None.
  - c. Field Performance. The Coyote must demonstrate the performance Requirements under the observation of the Combat Engineer or the Assistant Combat Engineer.
  - d. Examinations. There will be an oral and written exam.
  - e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to exam at the Coyote's discretion.

ENCLOSURE (11)

## f. The TTECG Dismounted Engineer Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Certified as a basic infantry			
Watch videos on engineer Ops: Explosive Safety			
Attend Combined Arms Breaching Class			
Attend Defensive Ops Class			
Assist in controlling explosive mine/wire obstacle breach			
Control explosive mine/wire obstacle breach			
Control APOBS breach of Obstacle			
Assist in controlling Engineers during defense Ops when explosives are employed			
Complete written exam			
Complete oral exam			

Mounted Engineer Coyote Training

Name: \_\_\_\_\_  
Callsign: \_\_\_\_\_

1. Certification. Engineer Coyote
2. Ranges/Exercises certified to conduct. None.
3. Prerequisite Certifications. Dismounted Engineer Coyote.
4. Training Objective. Qualify designated Coyotes to control the safe employment of demolitions in support of mechanized Co/Bn deliberate breach and the conduct of Line charges ISD and defense.
5. Performance Requirements
  - a. Discuss the SDZ, safety concerns, and misfire procedures for employing the MICLIC (internal and external).
  - b. Demonstrate the ability to control and critique the employment of inert land mines and lane closure teams during defensive ops.
  - c. Demonstrate the ability to control the employment of the MICLIC during a mechanized breach on a MAC or FSCEX II.
  - d. Demonstrate the ability to control the engineers during the planning and execution of battalion breach operations during the CAST.
  - e. Demonstrate the ability to control the planning and execution of battalion breach ops.
6. Training Program
  - a. Study Materials. The Coyote will become familiar with the following reference material:
    - FM 71-123 TTP for MECH Co TM
    - FM 20-32 Mine/Countermines
    - FM 5-34 Engineer Field Data
  - b. Classroom Instruction. The Coyote will certify to teach the following classes: None.
  - c. Field Performance. The Coyote must demonstrate the performance requirements under the observation of the Combat Engineer Rep or the Assistant Combat Engineer Rep.
  - d. Examinations. There will be an oral and written exam.
  - e. Training Schedule. Training will be conducted as available. Study of reference material will be conducted prior to exam at the Coyote's discretion.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Certified as dismounted engineer coyote			
Watch engineer videos: MICLIC, TF Engineer			
Attend OCD Prac App			
Assist in controlling Engineers during mounted breaching ops			
Control Engineers during mounted breaching ops			
Monitor engineer portions of CAST			
Control Engineers during CAST			
Assist in controlling Engineers during mounted defensive ops			
Control engineers during mounted defensive ops			
Complete written exam			
Complete oral exam			



## HAC Coyote Training

Name: \_\_\_\_\_  
Callsign: \_\_\_\_\_

1. Certification. HAC Coyote.
2. Ranges/Exercises Certified to Conduct. HAC CAST, ASCEX II Helicopterborne Ops, HAC, Helicopterborne Assault during FINEX.
3. Prerequisite Certifications. Successful Attendance at Weapons Tactics Instructor Course, MAWTS-1 (WTI), Certification as a Range 400 Coyote, Certification as a FiST Coyote.
4. Training Objective. Prepare the Coyote to conduct the ASCEX II Helicopterborne Operation, Helicopterborne Assault Course (HAC), and to run the Helicopterborne Assault Corridor during FSCEX II, FSCEX III (if required), and the FINEX.
5. Enabling Objectives
  - a. Demonstrated knowledge of TTECG procedures for the following exercises:
    - (1) ASCEX II Helicopterborne Assault
    - (2) HAC
    - (3) FSCEX II
    - (4) FSCEX III
    - (5) FINEX
  - b. Familiarization with tactics, techniques, and procedures for the following ops:
    - (1) Fundamentals of helicopterborne ops as a continuing operation ashore.
    - (2) MAGTF Fire Support Coordination.
    - (3) Employment of mortars, artillery, and Offensive Air Support in support of helicopterborne ops.
    - (4) Employment of Forward Air Controller (Airborne) (FAC(A)) in support of helicopterborne ops.
    - (5) Employment of reconnaissance and surveillance in support of helicopterborne ops.
    - (6) Basic Command and control requirements of helicopterborne ops.

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- (7) Deliberate attack.
- (8) Countermechanized defense and engagement area building.
- (9) Passage of lines and battle handover, during battalion and MAGTF ops.
- (10) Linkup ops.
- (11) PZ and LZ ops with an established HST.
- (12) CASEVAC and resupply ops.

c. Demonstrate and understanding of the six functions of Marine Aviation and their relevance to MAGTF C4I, MAGTF fire support coordination, and helicopterborne ops.

d. Demonstrate an ability to conduct the HAC, and to run the HAC during FSCEX II, FSCEX III (if required), and FINEX.

#### 6. Training Program

a. Formal Instruction. Attend the Marine Aviation Weapons and Tactics Squadron-1 (MAWTS-1) Weapons and Tactics Instructor (WTI) Course.

b. Study Materials. The Coyote will become familiar with the following reference material:

(1) TTECG Procedures for Conducting the HAC, FSCEX II, FSCEX III, and FINEX:

- TTECG SOP Chapter 5 (HAC)
- TTECG SOP Chapter 8 (FSCEX II)
- TTECG SOP Chapter 9 (FSCEX III)
- TTECG SOP Chapter 10 (FINEX)

(2) Tactics, Techniques and Procedures:

- MCWP 3-11.4, Fundamentals of Helicopterborne Ops
- FMFM 6-3 Marine Infantry Battalion
- FMFM 6-4 Marine Rifle Company
- MCWP 3-16 Techniques and Procedures for Fire Support Coordination
- MCRP 3-16A TTP for the Targeting Process
- MCWP 3-23.1 Close Air Support
- MCWP 5-1 Marine Corps Planning Process
- OH 6-2D Joint Laser Designation Procedures
- How to plan a Helo Assault (MAWTS-TTECG)
- MCWP 3-11.4 Tactical Fundamentals of Helicopterborne Ops
- MCWP 3-24 Assault Support
- NWP 3-22.5-UH-1N Tactical Manual
- NWP 3-22.5-CH-46E CH-46E Tactical Manual
- NWP 3-22.5-AH-1 AH-1 Tactical Manual
- MCWP 5-11.1 MAGTF Aviation Planning
- MCWP 3-22.2 Suppression of Enemy Air Defense

Joint Pub 3-09.3 Joint TTP for CAS  
 MCRP 5-11.1A Aviation Planning Documents  
 MCWP 3-25.4 Marine Tactical Air Command Center Handbook  
 MCWP 2-1 MAGTF Intelligence Ops  
 FM 34-130 Intelligence Preparation of the Battlespace  
 MCWP 2-11 Intelligence Collections  
 MCWP 2-12 MAGTF Intel Analysis and Production  
 MCWP 3-40.2 Information Management  
 MCWP 6-22 Communications and Information Systems  
 MCWP 3-2 Aviation Ops  
 MCWP 3-23 Offensive Air Support  
 MCWP 3-24 Assault Support  
 FMFM 2-11 Antiarmor Ops  
 FMFM 7-13 Deception Ops  
 FM 7-123 Tactics and Techniques for Combined Arms Heavy Forces  
 MCM 3-1 Threat Reference Guide and Counter tactics Vol 2

c. Field Performance

(1) The Coyote must demonstrate the ability to perform the following tasks in accordance with the TTECG SOP:

(a) Conduct the Helicopterborne Assault Lessons Learned and HAC Estimate of the Situation Classes.

(b) Conduct the ASCEX II Helicopterborne Assault.

(c) Conduct the HAC CAST.

(d) Conduct the HAC as the Corridor Coyote.

(e) Run the Helicopter corridor during CAST I (FSCEX II).

(f) If required, run the Helicopter corridor during CAST II (FSCEX III).

(g) Run the Helicopter corridor during FSCEX II.

(h) If required, run the Helicopter corridor during FSCEX III.

(i) Run the Helicopter corridor during FINEX.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified HAC Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

d. Examinations

(1) Written examination on the following topics. TTECG procedures for conducting the ASCEX II Helicopterborne Ops, HAC, FSCEX II, FSCEX III, and FINEX.

(2) Oral exam on the following: Tactics, techniques, and procedures.

e. Training Schedule. Training will be conducted over a one-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

## (1) CAX 1

CAX Training Day	Coyote Training Event
T-3	Attend Helicopter Assault Overview
T-5	Backseat certified HAC Coyote on conduct of the ASCEX II Helicopterborne Assault
T-8	Observe the Confirmation Brief for and backseat a certified HAC Coyote on the conduct of the HAC CAST. Observe the Coyote Pre-HAC Brief.
T-9	Backseat certified HAC Coyote on the conduct of the HAC
T-12	Backseat certified HAC Coyote on conduct of the Helicopter Corridor during CAST I (FSCEX II)
T-13	If required, backseat certified HAC Coyote on conduct of the Helicopter corridor during CAST II (FSCEX III)
T-14	Backseat certified HAC Coyote on the conduct of the Helicopter corridor during FSCEX II
T-15	If required, backseat certified HAC Coyote on conduct of the Helicopter corridor during CAST II (FSCEX III)
T-17	Backseat certified HAC Coyote on conduct of the helicopter corridor during FINEX
T-18	If required, backseat certified HAC Coyote on conduct of the Helicopter corridor during FINEX
T-21	Exam

## (2) CAX 2

CAX Training Day	Coyote Training Event
T-3	Conduct the helicopter assault overview HAC
T-5	Conduct the FSCEX II Helicopterborne Assault
T-8	Observe the Confirmation Brief for and conduct the HAC CAST. Conduct the Coyote Pre-HAC Brief.
T-9	Conduct the HAC
T-12	Run the Helicopter Corridor during CAST I (FSCEX II)
T-13	If required, run the Helicopter corridor during CAST II (FSCEX III)
T-14	Run the Helicopter corridor during FSCEX II
T-15	If required, run the Helicopter corridor during FSCEX III
T-17	Run the Helicopter corridor during FINEX
T-18	If required, run the Helicopter corridor during FINEX

## f. The HAC Coyote Training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Attend Helicopter Assault Overview HAC			
Backseat certified HAC Coyote on conduct of the FSCEX II Helicopterborne Assault			
Observe the Confirmation Brief for and backseat a certified HAC Coyote on the conduct of the HAC CAST. Observe the Coyote Pre-HAC Brief.			
Backseat certified HAC Coyote on conduct of the HAC			
Backseat certified HAC Coyote on conduct of Helicopter corridor during CAST I (FSCEX II)			
If required, backseat certified Hac Coyote on conduct of CAST II (FSCEX II)			
Backseat certified HAC Coyote on conduct of Helicopter corridor during FINEX			
Complete written/oral exam			
Conduct Helicopter Assault Overview			
Conduct FSCEX II Helicopterborne Assault			
Observe the Confirmation Brief for and conduct the HAC CAST. Conduct the Coyote Pre-HAC Brief.			
Conduct the HAC			
Run the Helicopter corridor during CAST I (FSCEX II)			
If required, run the Helicopter corridor during CAST II (FSCEX III)			
Run the Helicopter corridor during FSCEX II			
If required, run the Helicopter corridor during FSCEX III			
Run the Helicopter corridor during FINEX			

## FINEX Coyote Training

Name: \_\_\_\_\_  
Callsign: \_\_\_\_\_

1. Certification. FINEX Coyote.
2. Ranges/Exercises certified to conduct. FSCEX II, FSCEX III, and FINEX.
3. Prerequisite Certification. Certification as a MAC Coyote and R400 Coyote, or certification as a HAC Coyote.
4. Training Objective. Prepare the Coyote to conduct MAGTF and battalion-level live-fire, CAXs.

a. Demonstrated knowledge of TTECG procedures for the following exercises:

- (1) CAST I (FSCEX II)
- (2) CAST II (FSCEX III)
- (3) FSCEX II
- (4) FSCEX III
- (5) FINEX

b. Familiarization with tactics, techniques, and procedures for the following ops:

- (1) Battalion deliberate breach.
- (2) Helicopterborne ops.
- (3) LAR security ops.
- (4) MAGTF and battalion defensive ops.
- (5) Counterattacks during battalion defensive ops.
- (6) Battalion movement to contact.
- (7) Rearward passage of lines and battle handover during battalion defensive ops.
- (8) Link-ups.
- (9) Road marches and assembly area ops.
- (10) Battalion-level fire support planning and coordination for the above ops.

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(11) MAGTF-level fire support planning and coordination for the above ops.

(12) Combat service support for mechanized battalions.

c. Demonstrated ability to conduct FSCEX II, FSCEX III, and FINEX as the senior maneuver Coyote.

## 6. Training Program

a. Study Materials. The Coyote will become familiar with the following reference material:

(1) TTECG Procedures for Conducting FSCEX II, FSCEX III, and FINEX:

TTECG SOP Chapter 8 (FSCEX II)  
TTECG SOP Chapter 9 (FSCEX III)  
TTECG SOP Chapter 10 (FINEX)

(2) Tactics, Techniques and Procedures:

FM 71-2, The Tank and Mechanized Infantry Battalion Task Force  
Chapter 2, Command and Control  
Section IV, Intelligence Preparation of the Battlefield (pp 2-22 to 2-29)  
Chapter 3, Offensive Ops (pp 3-1 to 3-70)  
Chapter 4, Defensive Ops (pp 4-1 to 4-62)  
Chapter 5, Other Tactical Ops  
Section I, Retrograde Ops (pp 5-2 to 5-20)  
Section II, Passage of Lines (pp 5-20 to 5-27)  
Section V, Linkup (pp 5-39 to 5-43)  
Section VII, Guard Ops (pp 5-51 to 5-59)  
Section VIII, Obstacle Reduction (pp 5-60 to 5-68)  
Chapter 7, Combat Service Support (pp 7-1 to 7-41)  
Appendix C, Tactical Road Marches and Assembly Areas (pp C-1 to C-26)  
FM 71-123, Tactics and Techniques for Combined Arms Heavy Forces:  
Armored Brigade, Battalion/Task Force, and Company/Team  
Chapter 1, Command, Control, and Communication  
Section II, The Planning Process (pp 1-11 to 1-41)  
Chapter 2, Preparation for Combat  
Section I, Assembly Areas (p.2-1 - 2-38)  
Section IV, Reconnaissance and Surveillance (p.2-49 - 2-52)  
Section V, Counter reconnaissance (p.2-52 - 2-54)  
Chapter 3. Offensive Ops  
Section II, Battalion Task Force Offensive Ops (pp 3-54 to 3-121)  
Chapter 4. Defensive Ops  
Section II, Battalion Task Force Defensive Ops (p.4-42 to 4-100)  
Chapter 5. Retrograde Ops  
Section II, Battalion Task Force Retrograde Ops (p.5-21 to 5-31)  
Chapter 6. Other Tactical Ops  
Section II, Battalion Task Force Tactical Ops  
Battle Handover and Passage of Lines (p.6-52 to 6-72)  
Linkup Ops (pp 6-83 to 6-88)  
Guard Ops (pp 6-93 to 6-99)

Breaching Ops (pp 6-99 to 6-108)  
 Chapter 8. Combat Service Support  
 Section II, Battalion Task Force (pp 8-15 to 8-41)  
 Appendix A, Movement (pp A-1 to A-31)  
 FM 7-20, The Infantry Battalion  
 Chapter 3, Offensive Ops (pp 3-1 to 3-38)  
 Chapter 4, Defensive Ops (pp 4-1 to 4-27)  
 Chapter 5, Retrograde Ops  
 Section II, Delay Ops (pp 5-2 to 5-11)  
 Chapter 6, Other Tactical Ops  
 Section I, Passage of Lines (pp 6-1 to 6-6)  
 Section IV, Linkup Ops (pp 6-17 to 6-24)  
 Chapter 8, Combat Service Support (pp 8-1 to 8-25)  
 FMFM 2-11, Antiarmor Ops (all pages)  
 FM 90-13-1, Combined Arms Breaching Ops (all pages)  
 FMFM 6-30, Employment of the Light Armored Infantry Battalion  
 (all pages)  
 FMFM 6-21, Tactical Fundamentals of Helicopterborne Ops (all  
 pages)  
 FM 6-71, Tactics, Techniques, and Procedures for Fire Support for  
 the Combined Arms Commander (all pages)  
 FMFM 6-18, Techniques and Procedures for Fire Support  
 Coordination  
 Chapter 1, Role of MAGTF Elements in Fire Support Coordination  
 (pp 1-1 to 1-4)  
 Chapter 2, Organization and Duties (pp 2-1 to 2-11)  
 Chapter 4, Targeting (pp 4-1 to 4-19)  
 Chapter 5, Fire Support Planning (pp 5-1 to 5-29)  
 Chapter 6, Fire Support Coordination in Operations (pp 6-1 to 6-  
 23)  
 Appendix E, Information for the Fire Support Planner (pp E-1 to  
 E-51)  
 Appendix H, Fire Support Coordination Measures (pp H-1 to H-15)  
 FMFM 2-7-1, Fire Support Coordination by the MAGTF Command  
 Element (all pages)  
 Joint Pub 3-09.3, Joint Tactics, Techniques and Procedures for  
 Close Air Support (CAS) (all pages)

b. Field Performance

(1) The Coyote must demonstrate the ability to perform the following, in accordance with the TTECG SOP:

- (a) Conduct CAST I (FSCEX II) as the senior maneuver Coyote.
- (b) Conduct CAST II (FSCEX III) as the senior maneuver Coyote.
- (c) Conduct FSCEX II as the senior maneuver Coyote.
- (d) Conduct FSCEX III as the senior maneuver Coyote.
- (e) Conduct FINEX as the senior maneuver Coyote.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified FINEX Corridor Coyote, who will conduct hands-

ENCLOSURE (13)



on instruction in the procedures for conducting the exercises.

c. Examinations. An oral exam will be conducted on the following:

(a) TTECG procedures for conducting FSCEX II, FSCEX III, and FINEX.

(b) Tactics, techniques, and procedures.

d. Training Schedule. Training will be conducted over a one-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-12	Backseat certified FINEX corridor Coyote on conduct of CAST I (FSCEX II)
T-13	Backseat certified FINEX corridor Coyote on conduct of CAST II (FSCEX III)
T-14	Backseat certified FINEX corridor Coyote on conduct of FSCEX II
T-15	Backseat certified FINEX corridor Coyote on conduct of FSCEX III
T-17	Backseat certified FINEX corridor Coyote on conduct of FINEX
T-18	Backseat certified FINEX corridor Coyote on conduct of FINEX
T-19	Backseat certified FINEX corridor Coyote on conduct of FINEX
T-21	Exam

(2) CAX 2

CAX Training Day	Coyote Training Event
T-12	Conduct CAST I (FSCEX II)
T-13	Conduct CAST II (FSCEX III)
T-14	Conduct FSCEX II
T-15	Conduct FSCEX III
T-17	Conduct FINEX
T-18	Conduct FINEX
T-19	Conduct FINEX

f. The FINEX Coyote Training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified FINEX Corridor Coyote on conduct of CAST I (FSCEX II)			
Backseat certified FINEX Corridor Coyote on conduct of CAST II (FSCEX III)			

Backseat certified FINEX Corridor Coyote on conduct of FSCEX II			
Backseat certified FINEX Corridor Coyote on conduct of FSCEX III			
Backseat certified FINEX Corridor Coyote on conduct of FINEX			
Backseat certified FINEX Corridor Coyote on conduct of FINEX			
Backseat certified FINEX Corridor Coyote on conduct of FINEX			
Complete Oral Exam			
Conduct CAST I (FSCEX II)			
Conduct CAST II (FSCEX III)			
Conduct FSCEX II			
Conduct FSCEX III			
Conduct FINEX			
Conduct FINEX			
Conduct FINEX			

## Intelligence Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. TTECG Intelligence Representative/Intelligence Chief.
2. Ranges/Exercises Certified to Conduct. None.
3. Prerequisite Certifications. Basic Maneuver Coyote.
4. Training Objective. Qualify the Intelligence Coyote in the preparation and execution of all matters pertaining to Intelligence during a Combined Arms Exercise (CAX).
5. Enabling Objectives
  - a. Demonstrated knowledge of Intelligence materials (i.e. Enemy Order of Battle and Enemy Capabilities) utilized for the following exercises:
    - (1) HAC
    - (2) FSCEX II/III
    - (3) FINEX
  - b. Demonstrated knowledge of range and safety regulations for training aboard MCAGCC.
    - (1) Demonstrated knowledge of names and locations of significant terrain features in the training areas.
    - (2) Demonstrated knowledge of TTECG communications procedures.
    - (3) Demonstrated ability to manage various Intelligence Controller functions.
6. Training Program
  - a. Classroom Instruction. The Coyote will attend the following classes:
    - (1) CAX Familiarization:
      - CAX Overview Class
    - (2) Range and Safety Regulations:
      - Videotaped briefs on desert survival, NREA, duds, and scrappers
      - CAX Safety Review
    - (3) Tactics, Techniques and Procedures:
      - Intelligence Orientation Brief
      - MAGTF Intel Ops
      - HAC

ENCLOSURE (14)

Combined Arms Breaching  
Defensive Ops

b. Study Materials. The Coyote will become familiar with the following reference material:

(1) TTECG Procedures for Intelligence/Electronic Warfare:

TTECG SOP  
Chapter 1, Introduction to TTECG Coyote Procedures  
Chapter 5, HAC  
Chapter 6, LARSC  
Chapter 8, 9 FSCEX II/III  
Chapter 10, FINEX  
Chapter 11, Intelligence, Signals Intelligence/Electronic Warfare  
Chapter 15, RFA and NFA Procedures

(2) The SIGINT:

ELINT Scripted materials for HAC and both CAXs  
FINEX Scenarios (Quackenbush and Blacktop)  
COMINT Scripted materials for HAC and both CAX FINEX Scenarios  
(Quackenbush and Blacktop)

(3) Range and Safety Regulations:

CCO P3500.4F, SOP for Range/Training Areas and Airspace  
Chapter 1, General  
Chapter 3, Safety  
Chapter 4, Communications  
Chapter 6, Ground Ops  
Chapter 8, CAX Program  
Chapter 9, Restricted Areas  
Chapter 10, Environmental Affairs  
Appendix B, Ranges  
R410A  
R400  
Appendix N, Small Arms Live Fire, Maneuver, and Employment  
MCO 3570.1B  
Chapter 6, Small Arms  
Chapter 7, Grenades and Grenade Launchers  
Chapter 8, Antitank Rockets  
Chapter 15, Antitank Guided Missiles  
Chapter 19, Live Fire Exercises  
Appendix B, Alternative Surface Danger Zones  
Appendix C, Surface Danger Zone Design  
CAX Safety Handout

(4) Names and Locations of MCAGCC Terrain Features:

TTECG-produced map with annotated terrain feature names.

(5) TTECG Communications Procedures:

TTECG SOP Chapter 18

(6) Intelligence/SIGINT related Publications:

- MCWP 2-1 Intelligence Ops
- MCWP 2-15.1 Remote Sensor Ops
- MCWP 2-15.2 Signals Intelligence
- MCWP 2-15.3 Ground Reconnaissance
- MCWP 2-15.4 Imagery Intelligence
- MCRP 2-11A Recce-J
- FMFM 3-21 MAGTF Intelligence Ops
- FM 34-130 Intelligence Preparation of the Battlefield

(7) Pre-CAX Intelligence Workups, Scheduling, and Support Requirements, LOI Intelligence Orientation Brief, and TTECG Intelligence Desktop and Turnover.

c. Field Performance

(1) The Coyote must demonstrate the ability to perform the following Intelligence procedures, in accordance with the TTECG SOP, and the CAX Safety Handout:

(a) Conduct Intelligence related classes and briefs as the TTECG Intelligence Representative.

(b) Manage Requests For Information (RFI) and Responses to RFI as the TTECG Intelligence Representative.

(c) Provide assistance to the Exercise Force in the development of intelligence annexes and collection plans as the TTECG Intelligence Representative.

(d) Observe and evaluate the insert of those collection assets and retrans teams supporting the HAC and FSCEX/FINEX Scenarios as the TTECG Intelligence Representative.

(e) Conduct Intelligence related scripting and provide constructive feedback to the Exercise Force on Intelligence Ops and Collections Plan during conduct of the HAC Combined Arms Staff Trainer (CAST) as the TTECG Intelligence Representative.

(f) Conduct Intelligence related scripting during the HAC as the TTECG Intelligence Representative.

(g) Provide observations of Exercise Force intelligence operations during the HAC debrief as the TTECG Intelligence Representative.

(h) Conduct Intelligence related scripting and provide constructive feedback to the Exercise Force on Intelligence Op and Collections Plan during conduct of CAST I/II as the TTECG Intelligence Representative.

(i) Conduct Intelligence related scripting during FSCEX II/III as the TTECG Intelligence Representative.

(j) Conduct Intelligence related scripting during FINEX as the TTECG Intelligence Representative.

ENCLOSURE (14)

(k) Provide observations of Exercise Force intelligence operations during the FINEX debrief as the TTECG Intelligence Representative.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified Intelligence Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

d. Examinations. An oral exam will be conducted on the following: TTECG Intel procedures for conducting HAC, CAST I, CAST II, FSCEX II, FSCEX III, and FINEX.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-2/3	Backseat certified Intel Coyote while giving Block 1 Intel Briefs and Classes
T-8	Backseat certified Intel Coyote while conducting HAC CAST and observation of R&S inserts
T-9/10	Backseat certified Intel Coyote while conducting HAC scripting and debrief
T-12/13	Backseat certified Intel Coyote while conducting Intel input during CAST I/II and during observation of R&S inserts
T-14	Backseat certified Intel Coyote while conducting FSCEX II, Intel Scripting
T-15	Backseat certified Intel Coyote while conducting FSCEX III, Intel Scripting
T-16 - 18	Backseat certified Intel Coyote while conducting FINEX, Intel Scripting
T-20	Backseat certified Intel Coyote while conducting FINEX Debrief
T-21	Exam

(2) CAX 2

CAX Training Day	Coyote Training Event
T-2/3	Give Intel briefs and classes
T-8	Conduct HAC CAST
T-9/10	Conduct HAC Intel scripting and debrief
T-12/13	Conduct CAST I/II
T-14	Conduct FSCEX II Intel scripting
T-15	Conduct FSCEX III Intel scripting
T-16 - 19	Conduct FINEX Intel scripting
T-20	Conduct FINEX Debrief

## f. Intelligence Coyote Training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified Intel Coyote while giving Intel Classes and Briefs			
Backseat certified Intel Coyote while conducting HAC CAST			
Backseat certified Intel Coyote while conducting HAC Intel scripting and debrief			
Backseat certified Intel Coyote while conducting CAST I			
Backseat certified Intel Coyote while conducting CAST II			
Backseat certified Intel Coyote while conducting FSCEX II intel scripting			
Backseat certified Intel Coyote while conducting FSCEX III intel scripting			
Backseat certified Intel Coyote while conducting FINEX intel scripting			
Backseat certified Intel Coyote while conducting FINEX Debrief			
Complete oral exam			
Give Intel classes and briefs			
Conduct HAC CAST			
Conduct HAC Intel scripting and debrief			
Conduct CAST I Intel input			
Conduct CAST II Intel input			
Conduct FSCEX II Intel scripting			
Conduct FSCEX III Intel scripting			
Conduct FINEX Intel scripting			
Give FINEX Debrief			

## Communication Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: CY-10

1. Certification. TTECG Communication Representative.
2. Ranges/Exercises Certified to Conduct. None.
3. Prerequisite Certifications. None.
4. Training Objective. Prepare the Coyote to conduct effective communications and motor transportation functions in support of TTECG.
5. Enabling Objectives
  - a. Demonstrated knowledge of TTECG procedures for the following exercises:
    - (1) HAC Assault/Defense
    - (2) FSCEX II/III
    - (3) FINEX
  - b. Demonstrated knowledge of range and safety regulations for training aboard MCAGCC.
  - c. Demonstrated knowledge of names and locations of significant terrain features in the training areas.
  - d. Demonstrated knowledge of TTECG communications procedures.
  - e. Demonstrated knowledge of TTECG Communications SOP.
6. Training Program
  - a. Classroom Instruction. The Coyote will attend the following classes:
    - (1) CAX Familiarization:  
CAX Overview Class
    - (2) Range and Safety Regulations:  
Videotaped briefs on desert survival, NREA, duds and scrapers  
CAX Safety Review
    - (3) Tactics, Techniques, and Procedures:  
Communications Orientation Brief
  - b. Study Materials. The Coyote will become familiar with the following reference material:

ENCLOSURE (15)



(1) Range and Safety Regulations:

CCO P3500.4F, SOP for Range/Training Areas and Airspace  
Chapter 1, General  
Chapter 3, Safety  
Chapter 4, Comm  
Chapter 6, Ground Ops  
Chapter 8, CAX Program  
Chapter 9, Restricted Areas  
Chapter 10, Environmental Affairs  
CAX Safety Handout

(2) TTECG SOP:

Chapter 1, Introduction to TTECG Coyote Procedures  
Chapter 5, HAC  
Chapter 8, FSCEX II  
Chapter 9, FSCEX III  
Chapter 10, FINEX  
Chapter 18, Comm

(3) Names and Locations of MAGTF Terrain Features:

TTECG-produced map with annotated terrain feature names.

(4) TTECG Comm Procedures:

TTECG SOP Chapter 18

(5) Comm Related Publications:

MCWP 6-22, U. S. Marine Corps Comm and Information Systems  
CJCSM 6231 (Series) Manual for Employing Tactical Comm

c. Field Performance

(1) The Coyote must demonstrate the ability to perform the following actions in accordance with the TTECG SOP:

(a) Conduct the Comm Orientation Brief.

(b) Conduct Comm Procedures in support of the HAC, FSCEX II/III, and FINEX.

(2) The conduct of each of the above exercises will be preceded by back seating a certified Comm Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

d. Examinations. An oral exam will be conducted on the following: TTECG Comm procedures for conducting HAC, FSCEX II, FSCEX III, and FINEX.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) CAX 1

CAX Training Day	Coyote Training Event
T-1	Backseat certified Comm Coyote while giving Comm Orientation Brief; Other events occurring this day: Artillery controllers issue Lunch box Spectra's, hand held radios and batteries, and are given a class on their proper use. Ensure launch log has been received from the 4 shop for the next day's launch
T-2	Load set, telephone directory, and CEOI are picked up from MAGTF Comm Plt. Augment drivers arrive: ensure they have central billeting, HMMVW licenses, and receive the driver in-brief
T-3 - 5	Review personnel availability, double check equipment status and ensure there are enough augments to build FINEX launch log. Equipment fails and requires maintenance throughout CAX; coordinate with the ESD in order to set up a repair schedule so that enough vehicles are operational for FINEX. Coordinate with EMB to ensure the timely repair of the Motorola commercial radios and repeaters. Ensure 28 support and a permanent personnel driver are dispatched in support of the FSCEX events.
T-6/7	Backseat certified Comm Coyote on conduct of Comm support for FSCEX I and LARSC. Observe the EXFOR with regard to comm. Structure; placement of FSCC, successful comm links in order to conduct Combined Arms Training
T-8/9	Backseat certified Comm Coyote on conduct of comm support for HAC. Ensure retrans is inserted and operational. Troubleshoot comm problems utilizing a 28 and 10 rep
T-14	Backseat certified Comm Coyote on conduct of comm support for FSCEX II. Ensure retrans is inserted and operational. Two separate 28 reps and at least one 10 rep needed for troubleshooting comm and vehicle assets
T-15	Backseat certified Comm Coyote on conduct of comm support for FSCEX III. Ensure retrans is up and operational. Two separate 28 reps and at least one 10 rep needed. Make coordination with the 3 at the end of the day for deconfliction of launch log and equipment issues for FINEX. Ensure Pep boys 28s, 10 reps are prestaged and briefed on the FINEX scenario.
MVMT to field	Ensure all 28 and 10 reps are at the FINEX brief. Coyote 10 briefs the comm. and equipment allocation plan as well as LAAGER sites.
T-17	Backseat certified Comm Coyote on conduct of comm support for FINEX. Observe morning launch. Ensure retrans teams are up and operational.
T-18	Backseat certified Comm Coyote on conduct of comm support for FINEX
T-19	Backseat certified Comm Coyote on conduct of comm support for FINEX
T-21	Exam

ENCLOSURE (15)

CAX Training Day	Coyote Training Event
T-1	Give Comm orientation Brief
T-2	Indoctrination augment drivers
T-3 - 5	Review tentative launch log for FINEX, plan for FINEX
T-6/7	Conduct Comm in support of LARSC and MAC
T-8/9	Conduct Comm in support of HAC
T-14	Conduct Comm in support of FSCEX II
T-15	Conduct Comm in support of FSCEX III
T-17 - 19	Conduct Comm in support of FINEX

## f. Communication Coyote Training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Observe certified Comm Coyote while giving Comm Orientation Brief. Observe augment driver inbrief. Observe FINEX planning. Backseat certified Comm Coyote on Comm support during LARSC and MAC			
Backseat certified Comm Coyote on Comm support during HAC			
Backseat certified Comm Coyote on Comm support for FSCEX II			
Backseat certified Comm Coyote on Comm support for FSCEX III			
Backseat certified Comm Coyote on Comm support for FINEX			
Backseat certified Comm Coyote on Comm support for FINEX			
Backseat certified Comm Coyote on Comm support for FINEX			
Complete oral exam			
Give Comm orientation brief; Ensure augment driver indoctrination; Plan for FINEX; Conduct Comm in support of LARSC and MAC			
Conduct Comm in support of HAC			
Conduct Comm in support of FSCEX II			
Conduct Comm in support of FSCEX III			
Conduct Comm in support of FINEX			
Conduct Comm in support of FINEX			
Conduct Comm in support of FINEX			

## Aviation Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. TTECG Aviation Representative.
2. Events Certified to Control. All CAX events that integrate aviation.
3. Prerequisite Certification. Designated Naval Aviator/Naval Flight Officer Designated 7502 MOS (TACP School).
4. Training Objective. Provide incoming TTECG air shop representatives the basic foundation required to safely back-stop employment of aviation delivered ordnance in support of the CAX.
5. Enabling Objectives
  - a. Demonstrated knowledge of TTECG procedures for all CAX events that integrate aviation.
  - b. Familiarization with tactics, techniques, and procedures for the following:
    - (1) Providing the MAGTF the full capabilities of the six functions of Marine aviation. Specific focus will be given to Control of Aircraft and Missiles, Offensive Air Support, and Assault Support.
    - (2) Integration of Aviation delivered ordnance with other Marine Corps fire support assets in support of maneuver.
    - (3) Effective Ops of the TACP in order to provide the Ground Combat Element the maximum support capable of the Aviation Combat Element.
6. Training Program
  - a. Required Readings
    - (1) Joint Pub 3-09.3, Joint TTP for CAS, Chapter 5 (V-18 to V-37)
    - (2) MCWP 3-23.1 Close Air Support, Chapter 4-13 to 4-18
    - (3) CAX Safety Handout
    - (4) CCO P3500.4F, Chapter 7 Appendix G/H
    - (5) TTECG SOP, Chapter 1 & Chapter 13
    - (6) MCO 3500.11D Marine Corps CAX Program
    - (7) JtDivO P3120.23, Chapter 5-5

ENCLOSURE (16)

b. Required Classes/Lectures

- (1) BEARMAT Integration Brief
- (2) Aviation Safety Brief
- (3) Course Rules Brief
- (4) CAX Introduction
- (5) Air Ops Brief
- (6) Aviation Planning & Fire Support
- (7) MACCS Brief
- (8) Fires in Support of Helicopterborne Ops
- (9) CAS TTPs Class
- (10) FAC Prac App
- (11) FiST Procedures Class
- (12) HAC Overview

c. Examinations. Successfully pass the Air Shop written examination.

d. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

(1) The two CAX apprenticeship provides the basic knowledge required by newly joined staff members to safely execute live fire events. The first CAX permits the new Coyote to observe and become familiar with the responsibilities of the position. The second CAX allows the incoming air representative the opportunity to control aviation for each event. The outgoing Coyote will provide necessary guidance and answer questions asked by his replacement.

(2) For a TTECG air representative to control a CAX live fire event he must first observe this event twice by riding along with a qualified controller. Once a Coyote is certified, he may be approved to control an event that he previously has not observed. This approval is at the discretion of Coyote 14.

(3) CAX 1

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O

ENCLOSURE (16)

T-9 - 11	MAC D 14/14A
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (BLACKTOP)
T-17 - 19	FINEX (GAYS PASS)

(4) CAX 2

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O
T-9 - 11	MAC D 14/14A
T-9/10	HAC
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (BLACKTOP)
T-17 - 19	FINEX (GAYS PASS)

## f. Aviation Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Joint Pub 3-09.3			
MCWP 3-23.1			
CAX Safety Handout			
CCO P3500.4F			
TTECG SOP			
MCO 3500.11D			
JtDivO P3120.23			
BEARMAT Integration Brief			
Aviation Safety Brief			
Course Rules Brief			
CAX Introduction			
Air Ops brief			
Aviation Planning and Fire Support			
MACCS Brief			
Fires in Support of Helicopterborne Ops			
CAS TTPs Class			
FAC Prac App			
FiST Procedures Class			
HAC Overview			
ASCEX I			
ASCEX II			
ASCEX III			
FSCEX I			
LARSC 14/14A			

ENCLOSURE (16)

CCO 3502.1A

LARSC 14/14A			
MAC O			
MAC D 14/14A			
HAC			
FSCEX II			
FSCEX III			
FINEX (Blacktop)			
FINEX (Gays Pass)			

ENCLOSURE (16)

Aviation Coyote Training Checklist  
(Non-Permanent Staff)

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. TTECG Aviation Representative.
2. Events Certified to Control. All CAX events that integrate aviation.
3. Prerequisite Certifications. Designated Naval Aviator/Naval Flight Officer Designated 7502 MOS (TACP School).
4. Training Objective. Provide incoming TTECG air shop representatives the basic foundation required to safely back-stop employment of aviation delivered ordnance in support of the CAX.
5. Enabling Objectives
  - a. Demonstrated knowledge of TTECG procedures for all CAX events that integrate aviation.
  - b. Familiarization with tactics, techniques, and procedures for the following:
    - (1) Providing the MAGTF the full capabilities of the six functions of Marine aviation. Specific focus will be given to Control of Aircraft and Missiles, Offensive Air Support and Assault Support.
    - (2) Integration of Aviation delivered ordnance with other Marine Corps fire support assets in support of maneuver.
    - (3) Effective operation of the TACP in order to provide the Ground Combat Element the maximum support capable of the Aviation Combat Element.
6. Training Program
  - a. Required Readings
    - (1) Joint Pub 3-09.3 Joint TTP for CAS Chapter 5 (V-18 to V-37)
    - (2) MCWP 3-23.1 Close Air Support, Chapter 4-13 to 4-18
    - (3) CAX Safety Handout
    - (4) CCO P3500.4F, Chapter 7 Appendix G/H
    - (5) TTECG SOP, Chapter 1 & Chapter 13
    - (6) MCO 3500.11D Marine Corps CAX Program
    - (7) JtDivO P3120.23, Chapter 5-5
  - b. Examinations. Successfully pass the Air Shop written exam.

ENCLOSURE (17)



c. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the examination at the Coyote's discretion.

(1) The CAX apprenticeship provides the basic knowledge required by newly joined staff members to safely execute live fire events. Due to the critical role that these reservists play in controlling FSCEX/FINEX events, new joins are required to observe both FINEX scenarios twice before certification.

(2) Once certified, reserve air representatives may control CAX events previously not observed only at the discretion of Coyote 14.

(3) CAX 1

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O
T-9 - 11	MAC D 14/14A
T-9/10	HAC
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (Blackseat)
T-17 - 19	FINEX (Gays Pass)

(4) CAX 2

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O
T-9 - 11	MAC D 14/14A
T-9/10	HAC
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (Blackseat)
T-17 - 19	FINEX (Gays Pass)

f. Aviation Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
ASCEX I			
ASCEX II			
ASCEX III			
FSCEX I			

LARSC 14/14A			
MAC O			
MAC D 14/14A			
HAC			
FSCEX II			
FSCEX III			
FINEX (Blackseat)			
FINEX (Gays Pass)			

## Marine Air Command and Control (MACCS) Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. TTECG MACCS Representative.
2. Events Certified to Conduct. All CAX events that integrate aviation.
3. Prerequisite Certification. Designated 7202/7208 MOS.
4. Training Objective. Provide incoming TTECG MACCS representative the basic foundation required to provide guidance to the ACE on all matters pertaining to command and control of aircraft and missiles.
5. Enabling Objectives
  - a. Demonstrated knowledge of TTECG procedures for the following events:  
All CAX events that integrate aviation.
  - b. Familiarization with tactics, techniques, and procedures for the following. Providing the MAGTF the full capabilities of the six functions of Marine aviation. Specific focus will be given to Control of Aircraft and Missiles, Offensive Air Support, and Assault Support.
6. Training Program
  - a. Required Readings
    - (1) MCWP 3-23.1 Close Air Support, Chapter 4-13 to 4-18
    - (2) CAX Safety Handout
    - (3) CCO P3500.4F, Appendix H
    - (4) TTECG SOP, Chapter 1 & Chapter 13
    - (5) MCO 3500.11D Marine Corps CAX Program
    - (6) MCWP 3-25, Control of Aircraft and Missiles
    - (7) MCWP 3-25.4, Marine Tactical Air Control Center
    - (8) MCWP 3-25.5, Direct Air Support Center Handbook
  - b. Required Classes/Lectures
    - (1) BEARMAT Integration Brief
    - (2) Aviation Safety Brief
    - (3) Course Rules Brief

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- (4) CAX Introduction
- (5) Air Operations Brief
- (6) Aviation Planning & Fire Support
- (7) MACCS Brief
- (8) Fires in Support of Helicopterborne Operations
- (9) CAS TTPs Class
- (10) FAC Practical Application
- (11) FiST Procedures Class
- (12) HAC Overview

c. Examinations. Successfully pass the air shop written examination.

d. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the examination at the Coyote's discretion.

(1) The two CAX apprenticeship provides the basic knowledge required by newly joined staff members to safely execute live fire events. The first CAX permits the new Coyote to observe and become familiar with the responsibilities of the position. The second CAX allows the incoming MACCS representative the opportunity to coordinate aviation requirements for each event. The out-going MACCS representative will provide necessary guidance and answer questions asked by his replacement.

(2) The MACCS representative will normally position himself where he can best supervise and monitor the DASC, DASC(A), and DASC detachments (ASLT, ASE).

(3) CAX 1

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O
T-9 - 11	MAC D 14/14A
T-9/10	HAC
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (Blackseat)
T-17 - 19	FINEX (Gays Pass)

(4) CAX 2

CAX Training Day	Coyote Training Event
T-5	ASCEX I
T-6	ASCEX II
T-12	ASCEX III
T-7	FSCEX I
T-8	LARSC 14/14A
T-8 - 10	MAC O
T-9 - 11	MAC D 14/14A
T-9/10	HAC
T-14	FSCEX II
T-15	FSCEX III
T-17 - 19	FINEX (Blackseat)
T-17 - 19	FINEX (Gays Pass)

f. The MACCS Coyote Training Checklist

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
MCWP 3-23.1 CAS			
CAX Safety Handout			
CCO P3500.4F			
TTECG SOP			
MCO 3500.11D			
MCWP 3-25			
MCWP 3-25.4			
MCWP 3-25.5			
BEARMAT Integration Brief			
Aviation Safety Brief			
Course Rules Brief			
CAX Introduction			
Air Ops Brief			
Aviation Planning and Fire Support			
MACCS Brief			
Fires in Support of Helicopterborne Ops			
CAS TTPs Class			
FAC Prac App			
FiST Procedures Class			
HAC Overview			
ASCEX I			
ASCEX II			
ASCEX III			
FSCEX I			
LARSC 14/14A			
MAC O			
MAC D 14/14A			
HAC			
FSCEX II			
FSCEX III			
FINEX (Blackseat)			
FINEX (Gays Pass)			

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## Artillery/Fire Support Coyote Training

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. Artillery/Fire Support Representative.
2. Ranges/Exercises Certified to Conduct. None.
3. Prerequisite Certifications. None.
4. Training Objective. Prepare the Coyote to clear fires during TTECG controlled exercises.
5. Performance Requirements

a. Prior to conducting practical application, the following exercises will be observed (backseated) with a certified Artillery Representative:

- (1) ASCEX I/II
- (2) ASCEX II Helicopterborne Ops
- (3) FSCEX I
- (4) LARSC
- (5) MAC
- (6) HAC
- (7) ASCEX III
- (8) FSCEX II
- (9) FSCEX III
- (10) FINEX Day 1, Day 1 (LAR Corridor), Day 1 (Night), Day 2 (Day and Night), Day 3 (MTC) and Day 3 (LAR).

b. The following performance tasks will be completed during a TTECG controlled exercise:

(1) Clear an indirect fire mission in accordance with paragraph 3, Chapter 14 Artillery/FSC, TTECG SOP.

(2) Explain the format for a CAS 9-line brief and how each element applies to the mission in progress.

(3) Determine artillery/81s ordinates and compute the correct altitude restriction in accordance with procedures taught in the Supporting Arms Integration Course.

(4) Deconflict FWCAS mission with an indirect fire mission in accordance with paragraph 4, Chapter 14 Artillery/FSC, TTECG SOP.

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(5) Deconflict RWCAS mission with an indirect fire mission in accordance with paragraph 4, Chapter 14 Artillery/FSC, TTECG SOP.

(6) Maintain current positions of the maneuver lead trace in accordance with paragraph 3, Chapter 14 Artillery/FSC, TTECG SOP.

(7) Keep the senior maneuver representative informed of all current indirect fire missions in accordance with paragraph 5, Chapter 14 Artillery/FSC, TTECG SOP.

(8) Keep map updated with all current Restrictive Fire Support Coordination Measures (i.e., MSLs, RFAs and NFAs).

(9) Clear a RAP mission in accordance with paragraph 3.d., Chapter 14 Artillery/FSC, TTECG SOP.

(10) Ensure check rounds are completed in accordance with paragraph 2, Chapter 14 Artillery/FSC, TTECG SOP.

(11) Demonstrate knowledge of Coyote specific terminology and what those terms mean.

(12) Design and set Minimum Safe Lines (MSLs) for offensive and defensive ops in accordance with paragraph 3, Chapter 14 Artillery/FSC, TTECG SOP.

b. Successfully accomplish the Artillery Coyote's duties for the following exercises:

- (1) Clear fires for/debrief an entire daylight ASCEX I/II.
- (2) Clear fires for/debrief a night ASCEX I/II.
- (3) Clear fires for/debrief the ASCEX II Helicopterborne Ops.
- (4) Clear fires for/debrief an entire FSCEX I.
- (5) Clear fires for/debrief an entire HAC.
- (6) Clear fires for/debrief an entire MAC.
- (7) Clear fires for ASCEX III.
- (8) Clear fires for the LAR corridor during FSCEX II.
- (9) Clear fires for/debrief FSCEX II.
- (10) Clear fires for the LAR corridor during FSCEX III.
- (11) Clear fires for/debrief FSCEX III.

d. The complexity of FINEX requires the Artillery Coyote to understand the details of the entire 3-day exercise; hence, the Artillery Coyote must backseat and clear the following FINEX events:

- (1) Day 1, Battalion deliberate breach and exploitation.
- (2) Day 1, LAR screen.
- (3) Day 1, LAR night defense.
- (4) Day 2, LAR sector of the MAGTF defense in sector.
- (5) Day 2, MAGTF defense in sector.
- (6) Day 2, Battalion night defense.
- (7) Day 3, LAR screen.
- (8) Day 3, Battalion movement to contact.
- (9) Debrief the FINEX in the MAGTF Debrief.

e. An Artillery Coyote is required to master the tactics, techniques, and procedures of fire support coordination. The following will aid in that process via prac app and observation:

- (1) Observe the following roles during the FSCC Prac App:

Forward Observer  
 Battalion FSCC  
 MAGTF  
 Debrief the FSCC Prac App

- (2) Perform the duties of the FSCC Coyote by observing, instructing and debriefing the FSCC for the following exercises:

ASCEX I, including night  
 ASCEX II Helicopterborne Ops  
 FSCEX I  
 LARSC  
 MAC  
 HAC  
 FSCEX II  
 FSCEX III  
 FINEX

f. An Artillery Coyote will become familiar with the operation of the Combined Arms Staff Trainer (CAST) through the following evolutions:

- (1) Assist the FO in calculating stay aboves during the FiST Prac App.
- (2) Supervise the Fire Support Cell during a CAST exercise.
- (3) Observe the MAGTF Cell during a CAST exercise.
- (4) Observe the Battalion Cell during a CAST exercise.
- (5) Load the CAST computer for the HAC CAST and CAST I/II.
- (6) Clean up the CAST computer post-CAX.

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6. Training Program

a. Study Materials. The Coyote will read the following reference material:

- (1) MCO 3500.11E (Marine Corps CAX Program)
- (2) CCO 3500.11D (MCAGCC CAX Program)
- (3) CCO P3500.4F (MAGTFTC SOP for Ranges, Training Areas, and Airspace)
- (4) TTECG SOP
- (5) CAX Safety Handout
- (6) ASCEX Handout
- (7) FSCEX Handout
- (8) LARSC Handout
- (9) MAC Handout
- (10) HAC Handout
- (11) CAST Handout

b. The Coyote will be familiar with the following material:

- (1) MCWP 3-16 (Techniques and Procedures for Fire Support Coordination)
- (2) Joint Division Order P3120.23 (Quad Division SOP for Fire Support Coordination)
- (3) MCWP 3-16.6 (Supporting Arms Observer, Spotter, and Controller)
- (4) MCO P3570.1B (Range Safety)

c. Classroom Instruction. The Artillery Coyote will observe the following classes two times during his turnover:

- (1) Indirect Fire Controller Class
- (2) TTECG Event RSO Brief
- (3) Indirect Fire Overview Brief
- (4) CAX Safety Class
- (5) Forward Observer Procedures
- (6) Supporting Arms Integration Course
- (7) FiST Procedures

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- (8) Combined Arms Breaching
- (9) Defensive Ops
- (10) Fire Support Coordination and Planning
- (11) TTPs for Night Fire Support
- (12) HAC Planning
- (13) MAC Overview

d. Each Artillery Coyote will rehearse his assigned periods of instruction with the current Artillery Coyote instructor prior to presenting them to the Exercise Force.

e. Training Schedule

(1) CAX 1

CAX Training Day	Coyote Training Event
T-2	Indirect Fire Controller Class, Indirect Fire Overview Brief, CAX Safety Review, FO Procedures
T-3	TTP for CAS & Indirect Fire Coordination (SAIC), FiST Procedures, CA Breaching Ops, Defensive Ops
T-4	FSCC Prac App (FO/Btry RTO), Fire Support Planning, FiST Prac App/Night Fire Planning
T-5	Air Support Coordination Exercise I (ASCEX I)
T-6	Air Support Coordination Exercise II (ASCEX II), ASCEX II (HAC)
T-7	Fire Support Coordination Exercise I (FSCEX I)
T-8	LARSC, MAC O
T-9	MAC D
T-10	MAC O (FSCC)
T-11	MAC D (FSCC), MAC O (Clearing ?)
T-12	CAST I/ASCEX IIIA
T-13	CAST II
T-14	FSCEX II
T-15	FSCEX III
T-16	Pre-FINEX Meeting, Strip Map Building
T-17 - 19	FINEX
T-20	Prep FINEX Debrief
T-21	FINEX Debrief

(2) CAX 2

CAX Training Day	Coyote Training Event
T-2	Indirect Fire Controller Class, TTECG Event RSO Brief, Fires in support of Helo Ops
T-3	TTP for CAS & Indirect Fire Coordination (SAIC), FiST Procedures, CA Breaching Ops, Defensive Ops
T-4	FSCC Prac App (FO/Btry RTO), Fire Support Planning, FiST Prac App/Night Fire Planning, HAC Overview

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T-5	ASCEX I (Clearing)
T-6	ASCEX II (Clearing)
T-7	FSCEX I (FSCC am, Clearing pm)
T-8	HAC CAST
T-9	HAC O
T-10	HAC D
T-11	MAC D (Clearing am), MAC O (Clearing pm)
T-12	CAST I (Perch)/ASCEX IIIA
T-13	CAST II
T-14	FSCEX II (Clearing)
T-15	FSCEX III
T-16	Pre-FINEX Meeting, Strip Map Building
T-17	FINEX (Clearing)
T-18	FINEX
T-19	FINEX (Clearing)
T-20	Prep FINEX Debrief
T-21	FINEX Debrief

## f. Artillery/Fire Support Coyote Training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
MCO 3500.11D			
CCO 3500.11D			
CCO P3500.4F			
TTECG SOP			
CAX Safety Handout			
ASCEX Handout			
FSCEX Handout			
LARSC Handout			
MAC Handout			
HAC Handout			
CAST Handout			
Indirect Fire Controller Class			
Indirect Fire Overview Brief			
CAX Safety Review			
FO Procedures			
TTP for CAS & Indirect Fire Coordination (SAIC)			
FiST Procedures			
CA Breaching Ops			
Defensive Ops			
FSCC Prac App (FO/Btry RTO)			
Fire Support Planning			
FiST Prac App/Night Fire Planning			
TTECG Event RSO brief			
Fires in support of Helo Ops			
TTP for CAS & Indirect Fire Coordination (SAIC)			
CA Breaching Ops			
Defensive Ops			

ASCEX I (Backseat)			
ASCEX II (Backseat)			
ASCEX II (Helo Ops) (Backseat)			
ASCEX IIIA (Backseat)			
FSCEX I (Backseat)			
LARSC (Backseat)			
MAC O (Backseat)			
MAC D (Backseat)			
HAC Insert (Backseat)			
HAC Extract (Backseat)			
FSCEX II (Backseat)			
FSCEX III (Backseat)			
FINEX Delib Breach (Backseat)			
FINEX Def (Backseat)			
FINEX MTC (Backseat)			
LAR Off (Backseat)			
LAR Night Def (Backseat)			
LAR Delay (Backseat)			
LAR MTC (Backseat)			
ASCEX I (Clear/Debrief)			
ASCEX II (Clear/Debrief)			
LAR MTC (Clear/Debrief)			
ASCEX II (Helo Ops) (Clear/Debrief)			
ASCEX IIIA (Clear/Debrief)			
FSCEX I (Clear/Debrief)			
LARSC (Clear/Debrief)			
MAC O (Clear/Debrief)			
MAC D (Clear/Debrief)			
HAC Insert (Clear/Debrief)			
HAC Extract (Clear/Debrief)			
FSCEX II (Clear/Debrief)			
FSCEX III (Clear/Debrief)			
FINEX Delib Breach (Clear/Debrief)			
FINEX Def (Clear/Debrief)			
FINEX MTC (Clear/Debrief)			
LAR Off (Clear/Debrief)			
LAR Night Def (Clear/Debrief)			
LAR Delay (Clear/Debrief)			

## Electronic Warfare Coyote Training Checklist

Name: \_\_\_\_\_

Callsign: \_\_\_\_\_

1. Certification. TTECG Electronic Warfare Representative/Electronic Warfare Chief.

2. Ranges/Exercises Certified to Conduct. None.

3. Prerequisite Certifications. Basic Maneuver Coyote

4. Training Objective. Qualify the Electronic Warfare Coyote in the preparation and execution of all matters pertaining to Electronic Warfare during the CAX.

5. Enabling Objectives

a. Demonstrated knowledge of Electronic Warfare materials i.e. Comm Intelligence (COMMINT) and Electronic Intelligence (ELINT) utilized for the following exercises:

(1) HAC

(2) LARSC

(3) FSCEX II/III

(4) FINEX

b. Demonstrated knowledge of range and safety regulations for training aboard MCAGCC.

c. Demonstrated knowledge of names and locations of significant terrain features in the training areas.

d. Demonstrated knowledge of TTECG comm procedures.

e. Demonstrated ability to function as an Electronic Warfare controller.

6. Training Program

a. Classroom Instruction. The Coyote will attend the following classes:

(1) CAX Familiarization:

CAX Overview Class

(2) Range and Safety Regulations:

Videotaped briefs on desert survival, NREA, duds and scrappers  
CAX Safety Handout

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(3) Tactics, Techniques and Procedures:

Radio Battalion Orientation Brief  
Combined Arms Breaching

b. Study Materials. The Coyote will become familiar with the following reference material:

(1) TTECG Procedures for Intelligence/Electronic Warfare:

TTECG SOP  
Chapter 1, Introduction to TTECG Coyote Procedures  
Chapter 5, HAC  
Chapter 6, LARSC  
Chapter 8, 9 FSCEX II/III  
Chapter 10, FINEX  
Chapter 11, Intelligence, Signals Intelligence/Electronic Warfare

(2) The ELINT Scripted materials for HAC and both CAX FINEX Scenarios (Quackenbush and Blacktop).

(3) The COMINT Scripted materials for HAC and both CAX FINEX Scenarios (Quackenbush and Blacktop).

(4) Range and Safety Regulations:

CCO P3500.4F, SOP for Range/Training Areas and Airspace  
Chapter 1, General  
Chapter 3, Safety  
Chapter 4, Comm  
Chapter 6, Ground Ops  
Chapter 8, CAX Program  
Chapter 9, Restricted Areas  
Chapter 10, Environmental Affairs  
Appendix B, Ranges  
Range 410A  
Range 400  
Appendix N, Small Arms Live Fire, Maneuver, and Employment  
MCO 3570.1B  
Chapter 6, Small Arms  
Chapter 7, Grenades and Grenade Launchers  
Chapter 8, Antitank Rockets  
Chapter 15, Antitank Guided Missiles  
Chapter 19, Live Fire Exercises  
Appendix B, Alternative Surface Danger Zones  
Appendix C, Surface Danger Zone Design  
CAX Safety Handout

(5) Names and Locations of MAGTF/TC Terrain Features:

TTECG-produced map with annotated terrain feature names.

(6) TTECG Comm Procedures:

TTECG SOP Chapter 18

## (7) Intelligence/SIGINT related Publications:

MCWP 2-15.2 Signals Intelligence  
 FMFM 7-12 Electronic Warfare  
 MCWP 2-1 Intelligence Ops  
 FMFM 3-21 MAGTF Intelligence Ops  
 FM 34-130 Intelligence Preparation of the Battlefield  
 FM 101-5-1/MCRP 5-2A Operational Terms and Graphics  
 2-15.3 Ground Reconnaissance

c. Field Performance

(1) The Coyote must demonstrate the ability to perform the following Electronic Warfare procedures, in accordance with the TTECG SOP, and the CAX Safety Handout:

- (a) Conduct Radio Battalion Orientation Brief.
- (b) Conduct COMINT/ELINT Scripting during CAX Week 1 as the Electronic Warfare Coyote.
- (c) Conduct COMINT/ELINT Scripting during HAC as the Electronic Warfare Coyote.
- (d) Provide EW input to the Radio Bn Detachment during CAST I/II as the Electronic Warfare Coyote.
- (e) Conduct COMINT/ELINT Scripting during FSCEX II/III as the Electronic Warfare Coyote.
- (f) Conduct COMINT/ELINT Scripting during FINEX as the Electronic Warfare Coyote.
- (g) Conduct the Radio Bn FINEX debrief.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified Electronic Warfare Coyote, who will conduct hands-on instruction in the procedures for conducting the exercises.

d. Examinations. An oral examination will be conducted on the following: TTECG EW procedures for conducting HAC, FSCEX II, FSCEX III, and FINEX.

e. Training Schedule. Training will be conducted over a two-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.

## (1) CAX 1

CAX Training Day	Coyote Training Event
T-1	Backseat certified EW Coyote while giving Radio BN Orientation Brief
T-2 - 5	Backseat certified EW Coyote while conducting Week 1 Scripting
T-9/10	Backseat certified EW Coyote while conducting HAC Scripting
T-12/13	Backseat certified EW Coyote while conducting EW input during CAST I/II
T-14	Backseat certified EW Coyote while conducting FSCEX II Scripting
T-15	Backseat certified EW Coyote while conducting FSCEX III Scripting
T-16 - 19	Backseat certified EW Coyote while conducting FINEX Scripting
T-20	Backseat certified EW Coyote while conducting FINEX Debrief of Radio BN detachment
T-21	Exam

## (2) CAX 2

CAX Training Day	Coyote Training Event
T-1	Give Radio BN Orientation Brief
T-2 - 5	Conduct Week 1 scripting
T-9/10	Conduct HAC scripting
T-12/13	Conduct CAST I/II input
T-14	Conduct FSCEX II scripting
T-15	Conduct FSCEX III scripting
T-16 - 19	Conduct FINEX scripting
T-20	Conduct Radio BN FINEX Debrief

## f. Electronic warfare Coyote training Checklist.

Training Requirement	Date Completed	Evaluator Name	Evaluator Signature
Backseat certified EW Coyote while giving Radio BN Orientation Brief			
Backseat certified EW Coyote while conducting Week 1 Scripting			
Backseat certified EW Coyote while conducting HAC Scripting			
Backseat certified EW Coyote while conducting EW input during CAST I			
Backseat certified EW Coyote while conducting EW input during CAST II			
Backseat certified EW Coyote while conducting FSCEX II Scripting			
Backseat certified EW Coyote while conducting FSCEX III Scripting			
Backseat certified EW Coyote while conducting FINEX Scripting			



Backseat certified EW Coyote while conducting FINEX Debrief of Radio BN detachment			
Complete Oral exam			
Give Radio BN Orientation Brief			
Conduct Week 1 scripting			
Conduct HAC scripting			
Conduct CAST I input			
Conduct CAST II input			
Conduct FSCEX II scripting			
Conduct FSCEX III scripting			
Conduct FINEX scripting			
Conduct Radio BN FINEX Debrief			

Tactical Exercise Controller (TEC) Training

Name: \_\_\_\_\_

Callsign: CY-6

1. Certification. Director, TTECG.
2. Ranges/Exercises Certified to Conduct. The CAX.
3. Prerequisite Certifications. None.
4. Training Objective. Prepare the Director to conduct MAGTF and battalion-level live-fire, CAX.
5. Enabling Objectives

a. Demonstrated knowledge of TTECG procedures for the following exercises:

- (1) R400 Series
- (2) ASCEX I/II/III
- (3) LARSC
- (4) MAC
- (5) HAC
- (6) FSCEX I
- (7) CAST I (FSCEX II)
- (8) CAST II (FSCEX III)
- (9) FSCEX II
- (10) FSCEX III
- (11) FINEX

b. Familiarization with tactics, techniques, and procedures for the following operations:

- (1) Battalion deliberate breach.
- (2) Mechanized ops
- (3) Helicopterborne ops.
- (4) LAR security ops.
- (5) MAGTF and battalion defensive ops.
- (6) Counterattacks during battalion defensive ops.

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- (7) Battalion movement to contact.
  - (8) Rearward passage of lines and battle handover during battalion defensive ops.
  - (9) Link-ups.
  - (10) Road marches and assembly area ops.
  - (11) Battalion-level fire support planning and coordination for the above ops.
  - (12) MAGTF-level fire support planning and coordination for the above ops.
  - (13) Combat service support for mechanized battalions.
- c. Demonstrated ability to direct, control, and critique the execution of FSCEX II, FSCEX III, and FINEX as the TEC.

## 6. Training Program

a. Study Materials. The Coyote will become familiar with the following reference material:

- (1) TTECG Procedures for Conducting FSCEX II, FSCEX III, and FINEX:

- TTECG SOP Chapter 8 (FSCEX II)
- TTECG SOP Chapter 9 (FSCEX III)
- TTECG SOP Chapter 10 (FINEX)

- (2) Tactics, Techniques and Procedures:

- FM 71-2, The Tank and Mechanized Infantry Battalion Task Force
- Chapter 2, Command and Control
- Section IV, Intelligence Preparation of the Battlefield (pp 2-22 to 2-29)
- Chapter 3, Offensive Ops (pp 3-1 to 3-70)
- Chapter 4, Defensive Ops (pp 4-1 to 4-62)
- Chapter 5, Other Tactical Ops
- Section I, Retrograde Ops (pp 5-2 to 5-20)
- Section II, Passage of Lines (pp 5-20 to 5-27)
- Section V, Linkup (pp 5-39 to 5-43)
- Section VII, Guard Ops (pp 5-51 to 5-59)
- Section VIII, Obstacle Reduction (pp 5-60 to 5-68)
- Chapter 7, Combat Service Support (pp 7-1 to 7-41)
- Appendix C, Tactical Road Marches and Assembly Areas (pp C-1 to C-26)
- FM 71-123, Tactics and Techniques for Combined Arms Heavy Forces: Armored Brigade, Battalion/Task Force, and Company/Team
- Chapter 1, Command, Control, and Comm
- Section II, The Planning Process (pp 1-11 to 1-41)
- Chapter 2, Preparation for Combat
- Section I, Assembly Areas (p.2-1 - 2-38)
- Section IV, Reconnaissance and Surveillance (p.2-49 - 2-52)
- Section V, Counter reconnaissance (p.2-52 - 2-54)

Chapter 3. Offensive Ops  
 Section II, Battalion Task Force Offensive Ops (pp 3-54 to 3-121)  
 Chapter 4. Defensive Ops  
 Section II, Battalion Task Force Defensive Ops (p.4-42 to 4-100)  
 Chapter 5. Retrograde Ops  
 Section II, Battalion Task Force Retrograde Ops (p.5-21 to 5-31)  
 Chapter 6. Other Tactical Ops  
 Section II, Battalion Task Force Tactical Ops  
 Battle Handover and Passage of Lines (p.6-52 to 6-72)  
 Linkup Ops (pp 6-83 to 6-88)  
 Guard Ops (pp 6-93 to 6-99)  
 Breaching Ops (pp 6-99 to 6-108)  
 Chapter 8. Combat Service Support  
 Section II, Battalion Task Force (pp 8-15 to 8-41)  
 Appendix A, Movement (pp A-1 to A-31)  
 FM 7-20, The Infantry Battalion  
 Chapter 3, Offensive Ops (pp 3-1 to 3-38)  
 Chapter 4, Defensive Ops (pp 4-1 to 4-27)  
 Chapter 5, Retrograde Ops  
 Section II, Delay Ops (pp 5-2 to 5-11)  
 Chapter 6, Other Tactical Ops  
 Section I, Passage of Lines (pp 6-1 to 6-6)  
 Section IV, Linkup Ops (pp 6-17 to 6-24)  
 Chapter 8, Combat Service Support (pp 8-1 to 8-25)  
 FMFM 2-11, Antiarmor Ops (all pages)  
 FM 90-13-1, Combined Arms Breaching Ops (all pages)  
 FMFM 6-30, Employment of the Light Armored Infantry Battalion  
 (all pages)  
 FMFM 6-21, Tactical Fundamentals of Helicopterborne Ops (all  
 pages)  
 FM 6-71, Tactics, Techniques, and Procedures for Fire Support for  
 the Combined Arms Commander (all pages)  
 FMFM 6-18, Techniques and Procedures for Fire Support  
 Coordination  
 Chapter 1, Role of MAGTF Elements in Fire Support Coordination  
 (pp 1-1 to 1-4)  
 Chapter 2, Organization and Duties (pp 2-1 to 2-11)  
 Chapter 4, Targeting (pp 4-1 to 4-19)  
 Chapter 5, Fire Support Planning (pp 5-1 to 5-29)  
 Chapter 6, Fire Support Coordination in Ops (pp 6-1 to 6-23)  
 Appendix E, Information for the Fire Support Planner (pp E-1 to  
 E-51)  
 Appendix H, Fire Support Coordination Measures (pp H-1 to H-15)  
 FMFM 2-7-1, Fire Support Coordination by the MAGTF Command  
 Element (all pages)  
 Joint Pub 3-09.3, Joint Tactics, Techniques and Procedures for  
 Close Air Support (CAS) (all pages)

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b. Field Performance

(1) The Coyote must demonstrate the ability to perform the following, in accordance with the TTECG SOP:

- (a) Conduct CAST I (FSCEX II) as the TEC.
- (b) Conduct CAST II (FSCEX III) as the TEC.
- (c) Conduct FSCEX II as the TEC.
- (d) Conduct FSCEX III as the TEC.
- (e) Conduct FINEX as the TEC.

(2) The conduct of each of the above exercises will be preceded by riding along with a certified FINEX TEC, who will conduct hands-on instruction in the procedures for conducting the exercises.

c. Examinations. An oral exam will be conducted on the following:

- (a) TTECG procedures for conducting FSCEX II, FSCEX III, and FINEX.
- (b) Tactics, techniques, and procedures.

e. Training Schedule. Training will be conducted over a one-CAX period. Study of reference material will be conducted prior to the exam at the Coyote's discretion.



**UNITED STATES MARINE CORPS**  
MARINE AIR GROUND TASK FORCE TRAINING COMMAND  
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3502  
OFFICE CODE  
DATE

From: Shop Head, TTECG \_\_\_\_\_ Shop  
To: Director, TTECG

Subj: RECOMMENDATION FOR CERTIFICATION AS \_\_\_\_\_ COYOTE, FOR MAJOR  
NOT A. ROOKIE 123 45 6789/0302 USMC

Ref: (a) CCO P3500.11\_

Encl: (1) Completed \_\_\_\_\_ Coyote Training Checklist

1. Per the reference, Major Rookie is recommended for certification as a  
\_\_\_\_\_ Coyote. Enclosure (1) contains the documentation of his  
completion of the training requirements for this certification.

2. (List specific exceptions, to include a specific target date for  
completion of any specific tasks or events.)

I. M. SHOPHEAD

ENCLOSURE (22)



**UNITED STATES MARINE CORPS**  
MARINE AIR GROUND TASK FORCE TRAINING COMMAND  
MARINE CORPS AIR GROUND COMBAT CENTER  
BOX 788100  
TWENTYNINE PALMS, CALIFORNIA 92278-8100

3502  
OFFICE CODE  
DATE

From: Director  
To: Major Not A. ROOKIE 123 45 6789/0302 USMC

Subj: CERTIFICATION AS \_\_\_\_\_ COYOTE

Ref: (a) CCO P3500.  
(b) Completed \_\_\_\_\_ Coyote Training Checklist

1. You are hereby certified as a \_\_\_\_\_ Coyote, and authorized to conduct all associated events and exercises as contained in reference (b).
2. You are required to comply at all times with all associated orders and the TTECG SOP in the performance of your duties. Your judgement, experience, and expertise are critical to the safety of Marines and the continued effectiveness of the CAX Program.
3. (Immediately report, via the \_\_\_\_\_ Shop Head, completion of (specifically excepted required certification task/event), not later than 00 XXX 00.)
4. This certification will remain in effect until withdrawn by myself or any future Director.

COYOTE SIX

ENCLOSURE (23)